

				Γ Λ		M.D. N 00	770 0040 1 0070 0000	
				Form App	orovea. O		070-0012 and 2070-0038	
U.S. ENVIRONMENT	TAL PROTECTION A	AGENC	Y			AGE	NCY USE ONLY	
AND THE STATE OF T	PREM		JFACTURE TO S			receipt:		
EPA		NOTIC	E					
A PROSE	FOR NEW CI	HEMICAL	SUBST	ANCES				
Office of Pollu	ending by Courier: ution Prevention and Toxics ntrol Office (7407M)	Office of P	Ollution Pr	by US Mail: evention and Toxics fice (7407M)	9	Submiss	ion Report Number	
form to: WASHINGTON			200 Pennsy TON, D.C. 2	/Ivania Ave NW 20460	PMN	1407214	148911475	
Total Number of Pages	pers: 202-564-8930/8940 User I	l Fee Paym	ent ID N	umber			TS Number	
212	25GK0ATP					V15DXX		
			GENERAL	INSTRUCTIONS				
 Before you complete this form (TSCA) Information Service b If a user fee has been remitted 	, you should read the "Instructions y calling 202-554-1404, or faxing 2	Manual for P 202-554-5603 ndicate in the	remanufact). boxes abov	ure Notification" (the Instru- ve the TS-user fee identification	ctions Man	ual is available fi er you have gen	stimates if you do not have actual data. rom the Toxic Substances Control Act erated. Remember, your user fee ID number	
Part I – GENERAL INFOR	RMATION		TEST DA	ATA AND OTHER D	ATA			
You must provide the currently correct Chemical Abstracts (CA) Name of the new chemical substance, even if you claim the identity as confidential. You may authorize another person to submit chemical identity information for you, but your submission will not be complete and the review will not begin until EPA receives this information. A letter in support of your submission should reference your TS user fee identification number. For all Section 5 Notice submissions (paper or electronic) you must submit an original notice including all test data; if you claimed any information as confidential, an original sanitized copy must also be submitted. You are required to submit all test data in your possession or control and to provide a description of all other data known to or reasonably ascertainable by you, if these data are related to the health and environmental effects on the manufacture, processing, distribution commerce, use, or disposal of the new chemical substance. Standard literature citations may be submitted for data in the open scientific literature. Complete test data (written in English) not summaries of data, must be submitted if they do not appear in the open literature. You should clearly identify whether test data is on the substance or on an analog. Also, the chemical composition of the tested material should be characterized. Following are example of test data and other data. Data should be submitted according to the requirements of \$720.50 of the Premanufacture Notification Rule (40 CFR Part 720).							ertainable by you, if these data are anufacture, processing, distribution in nee. Standard literature citations may implete test data (written in English), appear in the open literature. You ince or on an analog. Also, the haracterized. Following are examples ecording to the requirements of	
Part II – HUMAN EXPOSI RELEASE	JRE AND ENVIRONMEN	TAL		Test Data (C	heck Bel	ow any inclu	ded in this notice) l	
If there are several manufactu be described in Part II, section				Environmental fate da	ata		Other Data	
the sections as needed.				Health effects data			Risk Assessments	
Part III – LIST OF ATTAC For paper submissions, attach	additional sheets if there is n		Щ	Environmental effects			Structure/activity relationships	
enough space to answer a que sheet with the corresponding s	section héading. In Part III, lis		X	Physical/Chemical Properties (A physical and chemical properties worksheet is located on the last page of this form.)				
attachments, any test data or information included in the not				Test data not in the p	ossessior	or control of	the submitter	
OPTIONAL INFORMATION You may include any information		eider in		TYP	E OF NO	TICE (Check	Only One)	
evaluating the new substance been provided for you to describe	On page 11 of this form, spa		X	PMN (Premanufactur	re Notice)			
recycling information you may "Binding" boxes are included t	hroughout this form for you to)	Ш	SNUN (Significant Ne	ew Use No	otice)		
indicate your willingness to be make in this section, such as a equipment The intention is	use, production volume, prote	ctive		TMEA (Test Marketing Exemption Application)				
accompany the development of Use Rules. Checking a "bindir	of consent orders or Significar	nt New	Ш	LVE (Low Volume Ex	(emption	@ 40 CFR 72	23.50(c)(1)	
prohibit the submitter from late (except chemical identity) repo	er deviating from the informati	on	Ц	LOREX (Low Releas	e/Low Exp	oosure Exemp	otion) @ 40 CFR 723.50(c)(2)	
case of exemption applications certain information provided in				LVE Modification				
submitter when the Agency ap especially if the production vol			Ш	LOREX Modification				
LVE.				Mock Submission				
You may claim any information	n in this notice as confidential			Mark (X) if pending	g Letter o	of Support		
assert a claim on the form, ma the information that you claim	as confidential. To assert a cl	laim in	Х	IS THIS A CONSOLII	DATED P	MN (Y/N)?		
an attachment, circle or bracke confidential. <u>If you claim inforr</u> you must also provide a saniti.	nation in the notices as confid	lential,	4	# of chemicals or p. 3).	polymers	(Prenotice Co	ommunication # required, enter # on	
attachments). For additional in as confidential, read the Instru	structions on claiming information		X	Mark (X) if any inform	nation in th	nis notice is cl	aimed as confidential.	



The public reporting and recordkeeping burden for this collection of information is estimated to average 93 hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed EPA Form 7710-25 to this address.

PMN Page 2

CERTIFICATION -- A printed copy of this signature page, with original signature, must be submitted with CD or paper submission.

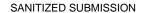
I certify that to the best of my knowledge and belief:

- 1. The company named in Part I, section A, subsection 1a of this notice form intends to manufacture, import or process for a commercial purpose, other than in small quantities solely for research and development, the substance identified in Part I, Section B.
- 2. All information provided in this notice is complete and truthful as of the date of submission.
- 3. I am submitting with this notice all test data in my possession or control and a description of all other data known to or reasonably ascertainable by me as required by §720.50 of the Premanufacture Notification Rule.

Additiona	al Certification Statements:						
	submitting a PMN, Intermediate PMN, Consolidated PMN, or on statement that applies:	SNUN, o	check the following user t	fee			
	The Company named in Part I, Section A has remitted the fee of \$2500 specified in 40 CFR 700.45(b), or						
	The Company named in Part I, Section A has remitted the fee of \$1000 for accordance with 40 CFR 700.45(b), or	an Interme	diate PMN (defined @ 40 CFR	700.43) in			
X	The Company named in Part I Section A is a small business concern under accordance with 40 CFR 700.45(b).	40 CFR 7	00.43 and has remitted a fee of	\$100 in			
Low Rele	If you are submitting a Low Volume Exemption (LVE) application in accordance with 40 CFR 723.50(c)(1) or a Low Release and Low Exposure Exemption (LoRex) application in accordance with 40 CFR 723.50(c)(2), check the following certification statements:						
	The manufacturer submitting this notice intends to manufacture or import to other than in small quantities solely for research and development, under the			I purposes,			
	The manufacturer is familiar with the terms of this section and will comply with the terms of this section and will comply with the terms of this section and will comply with the terms of this section and will comply with the terms of this section and will comply with the terms of this section and will comply with the terms of this section and will comply with the terms of this section and will comply with the terms of this section and will comply with the terms of this section and will comply with the terms of this section and will comply with the terms of this section and will comply with the terms of this section and will comply with the terms of this section and will comply with the terms of th	with those t	erms; and				
	The new chemical substance for which the notice is submitted meets all ap	oplicable ex	kemption conditions.				
If this application is for an LVE in accordance with 40 CFR 723.50(c)(1), the manufacturer intends to commence manufacture of the exempted substance for commercial purposes within 1 year of the date of the expiration of the 30 day review period.							
The accuracy of the statements you make in this notice should reflect your best prediction of the anticipated facts regarding the chemical substance described herein. Any knowing and willful misrepresentation is subject to criminal penalty pursuant to 18 USC 1001.							
Signature ar Authorized C Signature Re	Official (Original	Date		X			



Secti	ion A	A – SUBMITTER ID	ENTIFIC		I GENE	ERAL IN	IFORMATION			
	0117	M	ark (X) the "	'Confiden		xt to any s	ubsection you clai	m as co	nfidential	
1a.		Person Submitti	ng Notice	e (in U.	S.)		(loot)			Confidential
Name	of Au	uthorized Official	(first) XX	X			(last) XXX			
Position	on		XXX							
Comp	any		XXX							X
Mailin	g Add	dress (number & street)	XXX							
City		XXX		State XXX Postal Code XXX						
email		XXX								
b.		Agent (if Applica	ible)				4 0			Confidential
Name	of Au	uthorized Official	(first) XX	X			(last) XXX			
Positio	on		XXX							
Comp	any		XXX							
Mailin	g Add	dress (number & street)	xxx							
City		XXX			State	XXX	Postal Code	XXX		
e-mail		XXX				Telepho	ne area code)	XXX		
C.		Joint Submitter	(if application	able)		(molade	urea code)			Confidential
If you	are s	ubmitting this notice as	part of a joi	nt submis	sion, mark	(X)				
Name	of Au	uthorized Official	(first)				(last)		<u> </u>	
Positio	on									
Comp	any									1 _
Mailin	g Add	dress (number & street)								- LJ
City			l		State		Postal Code			
e-mail						Teleph	lone e area code)			
2		Tachnical Conta	ot /in II C	• \		(IIICIUU	e area code)			Confidential
2.	of Au	Technical Conta	(first) XX).) 			(last)			Confidential
		utilonzed Official		X			(last) XXX			
Position			XXX							
Comp			XXX							
Mailin	g Add	dress (number & street)	XXX		1	1	1			
City		XXX			State	XXX	Postal Code	XXX		
e-mail		xxx				Telepho (include	ne area code)	XXX		
3.	If you have had a prenotice communication (PC) concerning				XXX			Mark (X) if none	Confidential	
ა.	ente	er the number.	notice and EPA assigned a PC Number to the notice, r the number.					X		
	If you previously submitted an exemption application for the chemical substance covered by this notice, enter the				Mark (X) if none	Confidential				
4. exemption number assigned by EPA. If you previously submitted a PMN for this substance enter the PMN number						X				
assigned by EPA (i.e. withdrawn or incomplete). If you have submitted a notice of Bona fide intent to					XXX			Mark (X) if none	Confidential	
5.	mar	nufacture or import for this notice, enter the no	he chemical	substanc	ce covered					X
6.	,	,		3 /-		of Notic	e – Mark (X)			
J.	Mar	nufacture Only	X	In	nport Only					
1.		_	X	2.	nding Optio	n		3.	Both	





Part I – GENERAL INFORM	MATION Continued					
	a currently correct Chemical CA index nomenclature rules	Abstracts (CA) name of the sul	bstance			
Mark (X) the "Confidential" box next to any item you claim as confidential						
Complete either item 1 (Class 1 or 2 substances) or 2 (Polymers) as appropriate the complete either item 1 (Class 1 or 2 substances) or 2 (Polymers) as appropriate the complete either item 1 (Class 1 or 2 substances) or 2 (Polymers) as appropriate the complete either item 1 (Class 1 or 2 substances) or 2 (Polymers) as appropriate the complete either item 1 (Class 1 or 2 substances) or 2 (Polymers) as appropriate the complete either item 1 (Class 1 or 2 substances) or 2 (Polymers) as appropriate the complete either item 2 substances are complete either item 3 (Class 1 or 2 substances) or 2 (Polymers) as appropriate either item 3 (Class 1 or 2 substances) or 3 (Polymers) as appropriate either item 4 (Class 1 or 2 substances) or 3 (Polymers) as appropriate either item 4 (Class 1 or 2 substances) or 4 (Polymers) as appropriate either item 4 (Class 2 or 4 substances) or 4 (Polymers) as a complete either item 5 (Polymers) as a complete either item 5 (Polymers) as a complete either item 5 (Polymers) and 6 (Polymers) are complete either item 5 (Polymers) and 6 (Polymers) are complete either item 5 (Polymers) and 6 (Polymers) are complete either item 5 (Polymers) and 6 (Polymers) are complete either item 5 (Polymers) and 6 (Polymers) are complete either item 5 (Polymers) and 6 (Polymers) are complete either item 5 (Polymers) and 6 (Polymers) are complete either item 5 (Polymers) and 6 (Polymers) are complete either item 5 (Polymers) and 6 (Polymers) are complete either item 5 (Polymers) and 6 (Polymers) are complete either item 5 (Polymers) and 6 (Polymers) are complete either item 5 (Polymers) and 6 (Polymers) are complete either item 5 (Polymers) are complete either item 5 (Polymers) and 6 (Polymers) are complete either item 5 (Polymers) are complete either item 5 (Polymers) and 6 (Polymers) are complete either item 5 (Polymers) are complete either item 5 (Polymers) are complete either item 5 (Polymers)	riate. Complete all other item	IS.				
If another person will submit chemical identity information for you (for either the name, company, and address of that person in a continuation sheet.	Item 1 or 2), mark (X) the box	x at the right. Identify				
 Class 1 or 2 chemical substances (for definitions of class 1 and class 2 substances, see the Instructions Manual) 	Class 1	Class 2	СВІ			
a. Class of substance - Mark (X)			X			
 b. Chemical name (Currently correct Chemical Abstracts (CA) Name that is substances. For Class 1 substances a CA Index Name must be provided Preferred Name must be provided, which ever is appropriate based on co XXX 	I. For Class 2 substances eit	her a CA Index Name or CA	X			
CAS Registry Number (if a number already exists for the substance)	XXX					
c. Please identify which method you used to develop or obtain the specified Method 1 (CAS Inventory Expert Service - a copy of the Identification report obtained from the CAS Inventory Expert Services must be submitted as an attachment to this notice)	d chemical identity information IES Order Number 382298	n reported in this notice: (check Method 2 (Other Source)	one).			
Enter Attachment filename for Part I, Section B, 1. c.	Attachment Number 001_E	Bulk_Pyrolysate_IES_Report_S	V.pdf			
d. Molecular formula XXX			X			
e. For a class 1 substance, provide a complete and correct chemical struction						
representative or partial chemical structure diagram, as complete as can See Attachment 023 (Attachment Number 023_Representative_Chemical_S						
Enter Attachment filename for Part I, Section B, 1. e.	Attachment Number 02	3_Representative_Chemical_St	tructure_Bulk_Pyrolys			



PMN Page 4a

For a class 2 substance - (1) List the immediate precursor substances with the nature of the reaction or process. (3) Indicate the range of composition	their respective CAS Registry Numbers. (2) Describe and the typical composition (where appropriate).	Confidential			
e. (1) List the immediate precursor substance names with their respective CAS Registry Numbers.					
xxx					
Enter Attachment filename for Part I, Section B, 1. e. (1)					
e. (2) Describe the nature of the reaction or process.		X			
xxx		2.2			
Enter Attachment filename for Part I, Section B, 1. e. (2)					
e. (3) Indicate the range of composition and the typical composition (where	e appropriate).	X			
xxx					
Enter Attachment filename for Part I, Section B, 1. e. (3)	Attachment Number 009, Range, Of, Composition, Bull	k Pyrolygata 9V			



		Par	t I GENERAL IN	NFORMA		Con	tinued				
			ITY INFORMATION -		ed						
			see the Instructions Manua of the lowest molecular wei		tion of the no	lymer v	rou intend to	manufactu	re	Confider	ntial
Indicate maximun	n weight pe	ercent of I	ow molecular weight speci- molecular weight of that co	es (not includ							
		Des	cribe the methods of meas	surement or t	he basis for y	our es	timates:				
GPC		Other	(Specify Below)								
Specify Other:	•										
			Τ			1					
(i) lowest number a weig	-	lecular	(ii) maximum weight %	% below 500 ight:	molecular	(iii) maximum w	eight % be weight		00 molecu	lar
			I, Section B, 2. a. y claims for monomer or of								
(1) - Provide the manufacture (2) - Mark (X) this (3) - Indicate the (4) - Choose "yes the polymer (5) - Mark (X) this (6) - Indicate the manufacture	specific che e of the poly s column if typical weig s' from drop description s column if maximum v ed for comn	emical na ymer. entry in c ght perce o down m n on the T entries in weight pe nercial pu		er reactant in er or other rea Inventory. onfidential.	n the polymer actant used a	: t two w	eight percent	or less to	be liste	d as part c	of
		-	olumn (6) is confidential.	mo			Typical	Include in		Max	
ľ	vioriomer o	i other re	actant specific chemical na (1)	ame		CBI (2)	composition (3)	identity (4)	CBI (5)	residual (6)	CBI (7)
	egistry Num	. , ,									
CAS Re	egistry Num	nber (1)									
CAS Re	egistry Num	nber (1)									
CAS Re	egistry Num	nber (1)									
240.5	aiota N	abor (4)									
	egistry Num	` ′ .	the next neg-								
Mark (X) this box if the	ie data con	itinues on	trie next page.								

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 c. Please identify which method you used to develop or obtain (check one). 	the specified ch	emical identity information reported in this notice	СВІ
Method 1 (CAS Inventory Expert Service - a copy of the identification report obtained from CAS Inventory Expert Service must be	IES Order Number	Method 2 (other source)	
submitted as an attachment to this notice) Enter Attachment filename for Part I, Section B, 2. c.			
d. The currently correct Chemical Abstracts (CA) name for the	e polymer that is	consistent with TSCA Inventory listings for similar	
polymers.			
CAS Registry Number (if a number already exists for the			
Provide a correct representative or partial chemical structures ascertained.	ure diagram, as c	omplete as can be known, if one can be reasonably	
Enter Attachment filename for Part I, Section B, 2. 6	э.		



PMN Page 6 Part I -- GENERAL INFORMATION -- Continued

Tarti Seneral Ini Origin	A11011 0011	tillaca		
Section B CHEMICAL IDENTITY INFORMATION Continue	ed			
Impurities (a) - Identify each impurity that may be reasonably anticipated to be pres purpose. Provide the CAS Registry Number if available. If there are (b) - Estimate the maximum weight % of each impurity. If there are unide	unidentified impurities	, enter "unidentified."		rcial
Impurity (a)		CAS Registry Number (a)	Maximum Percent % (b)	Confi- dential
XXX		XXX	XXX	Х
xxx		XXX	XXX	Х
xxx		XXX	XXX	Х
xxx		XXX	XXX	Х
xxx		XXX	XXX	Х
xxx		XXX	xxx	Х
Mark (X) this box if the data continues on the next page.		X		
Enter Attachment filename for Part I, Section B, 3.	Attachment Numb	er 014_Bulk_Pyrolys	sate_Impurity_Da	ata_\$V.pdf
4. Synonyms - Enter any chemical synonyms for the new chemical identified in s	subsection 1 or 2.			
Enter Attachment filename for Part I, Section B, 4.				
5. Trade identification - List trade names for the new chemical substance identification - List trade names for the new chemical substance identification.	ed in subsection 1 or 2	2.		X
Enter Attachment filename for Part I, Section B, 5.				
Generic chemical name - If you claim chemical identify as confidential, you muspecific chemical identity of the new chemical substance Inventory, 1985 Edition, Appendix B for g Plastics, wastes, pyrolyzed, bulk pyrolysate	nce to the maximum e	extent possible. Refer	nce that reveals r to the TSCA Ch	the nemical
Enter Attachment filename for Part I, Section B, 6.				
7. Byproducts - Describe any byproducts resulting from the manufacture, proces CAS Registry Number if available.	sing, use, or disposal			
Byproduct (1)		CAS Re	gistry Number (2)	Confi- dential
XXX			XXX	Х
Mark (X) this box if the data continues on the next page.				



PMN Page 6 (1)

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Section B CHEMICAL IDENTITY INFORMATION Continued				
Impurities (a) - Identify each impurity that may be reasonably anticipated to be present in purpose. Provide the CAS Registry Number if available. If there are unide (b) - Estimate the maximum weight % of each impurity. If there are unidentified.	ntified impurities, enter "u	nidentified."		cial
Impurity (a)	CAS	Registry umber (a)	Maximum Percent % (b)	Confi- dential
XXX	>	ΚXX	XXX	Х
xxx	>	«хх	XXX	Х
xxx	>	ΚΧΧ	XXX	Х
xxx	>	«хх	XXX	Х
xxx	>	«хх	XXX	Х
xxx	>	«ΧΧ	XXX	Х
Mark (X) this box if the data continues on the next page.	·			
Enter Attachment filename for Part I, Section B, 3.				
4. Synonyms - Enter any chemical synonyms for the new chemical identified in subset	ction 1 or 2.			
Enter Attachment filename for Part I, Section B, 4.				
5. Trade identification - List trade names for the new chemical substance identified in	subsection 1 or 2.			
Enter Attachment filename for Part I, Section B, 5.				
Generic chemical name - If you claim chemical identify as confidential, you must prospecific chemical identity of the new chemical substance to Substance Inventory, 1985 Edition, Appendix B for guidantial process.	o the maximum extent pos	ssible. Refer to		
Enter Attachment filename for Part I, Section B, 6.	use or disposal of the no	w chomical au	hotonoo Brov	ido tho
 Byproducts - Describe any byproducts resulting from the manufacture, processing, CAS Registry Number if available. 	use, or disposal of the he			
Byproduct (1)			stry Number 2)	Confi- dential
Mark (X) this box if the data continues on the next page.				



Part I – GENE	RAL INFORM	ATION C	ontinued				
	ou must provide a ased on current C			bstracts (CA) name o	f the su	bstance	
Mark (X) the "Confidential" box next to any item you claim as confidential							
Complete either item 1 (Class 1 or 2 substances) or 2 (Polyn	mers) as appropri	ate. Complete	all other items.				
If another person will submit chemical identity information for the name, company, and address of that person in a continu		em 1 or 2), ma	ark (X) the box a	t the right. Identify			
 Class 1 or 2 chemical substances (for definitions of clas 2 substances, see the Instructions Manual) 	s 1 and class	Class	1	Class 2		СВІ	
a. Class of substance - Mark (X)						X	
b. Chemical name (Currently correct Chemical Abstracts (Consubstances. For Class 1 substances a CA Index Name of Preferred Name must be provided, which ever is approperative.)	nust be provided.	For Class 2 si	ubstances eithe	r a CA Index Name o		X	
CAS Registry Number (if a number already exists for the	e substance)						
	,	XXX	Life . : f =		. /	\	
c. Please identify which method you used to develop or ob Method 1 (CAS Inventory Expert Service - a copy of the Identification report obtained from the CAS Inventory Ex Services must be submitted as an attachment to this not	pert X	IES Order Number	348644	Method 2 (Other Source)	Check	one).	
Enter Attachment filename for Part I, Section B, 1. c.		Attachment N	lumber 002_Lig	ht_Distillate_IES_Rep	ort_SV	.pdf	
d. Molecular formula XXX						X	
e. For a class 1 substance, provide a complete and correct	t chemical structur	e diagram. Fo	or a class 2 subs	stance, provide a corr	ect		
See Attachment 024 (Attachment Number 024_Representat	tive_Chemical_Str	ucture_Light_	Distillate_SV.pd				
Enter Attachment filename for Part I, Section B, 1. e.		Attachmer	nt Number 024	Representative_Cher	nical S	trugture_Light	



PMN Page 4a

For a class 2 substance - (1) List the immediate precursor substances with the nature of the reaction or process. (3) Indicate the range of composition	their respective CAS Registry Numbers. (2) Describe and the typical composition (where appropriate).	Confidential			
e. (1) List the immediate precursor substance names with their respective CAS Registry Numbers.					
xxx					
Enter Attachment filename for Part I, Section B, 1. e. (1)					
e. (2) Describe the nature of the reaction or process.		X			
XXX					
Enter Attachment filename for Part I, Section B, 1. e. (2)					
e. (3) Indicate the range of composition and the typical composition (where	e appropriate).	X			
XXX					
Enter Attachment filename for Part I, Section B, 1. e. (3)	Attachment Number 010_Range_Of_Composition_Lig	ht_Distillate_SV.pd			



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Continu D. CUEN	AIC A L		t I GENERAL II			Con	unuea				
			ITY INFORMATION see the Instructions Manu		ea					Confider	atiol
			of the lowest molecular we		tion of the po	lymer y	ou intend to i	manufactu	re.	Corinder	illai
Indicate maximum w	veight per	rcent of I	ow molecular weight spec molecular weight of that c	cies (not includ							
below 500 and below	W 1,000 a		cribe the methods of mea		ho basis for s	our oo	timatas:				
_	, , ,			Surement or t	ne basis ioi y	oui es	umates.				
GPC		Other	(Specify Below)								
Specify Other:											
			ı			1					
(i) lowest number aver		ecular	(ii) maximum weight		molecular	(iii) maximum w			00 molecu	lar
weight:			We	eight:				weight			
Enter Attachment	filename	for Part	I, Section B, 2. a.								
			y claims for monomer or c		identity, com	positio	n information,	, and resid	ual info	rmation. M	lark
			n you claim as confidentia me and CAS Registry Nui		nber exists) o	f each	monomer or	other react	tant use	ed in the	
manufacture of	the polyi	mer.									
			olumn (1) is confidential. nt of each monomer or otl	her reactant ir	the polymer						
(4) - Choose "yes" fi	rom drop	down m	enu if you want a monome	er or other rea			eight percent	or less to	be liste	d as part o	of
			SCA Chemical Substance columns (3) and (4) are constant (
(6) - Indicate the ma	aximum w	veight pe	rcent of each monomer or		nt that may b	e prese	ent as a residi	ual in the p	oolymer	as	
manufactured f (7) - Mark (X) this co			olumn (6) is confidential.								
			actant specific chemical n	ame		CDI	, , ,	Include in		Max	CDI
			(1)			CBI (2)	composition (3)	identity (4)	CBI (5)	residual (6)	CBI (7)
CAS Regis	stry Numl	ber (1)									
CAS Regis	strv Numl	ber (1)									
	· , · · · · · · · · · · · · · · · · ·	(1)									
CAS Regis	etry Numl	her (1)									
OAO Negi	Stry Ivaiiii	oci (I)									
CAS Regis	stry Numl	ber (1)									
CAS Regis	stry Numl	her (1)									
Mark (X) this box if the		` ,	the next page.				I				1



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	Please identify which method you used to develop or obtain the sp neck one).	ecified c	hemical identity information reported in this notice	СВІ
_(-	Method 1 (CAS Inventory Expert Service	Order ber	Method 2 (other source)	
E	Enter Attachment filename for Part I, Section B, 2. c.			
d.	The currently correct Chemical Abstracts (CA) name for the polyn	ner that is	s consistent with TSCA Inventory listings for similar	
	polymers.			
	CAS Registry Number (if a number already exists for the substa	ince)		
e.	Provide a correct representative or partial chemical structure diag		complete as can be known, if one can be reasonably	
	ascertained.			
	Enter Attachment filename for Part I, Section B, 2. e.			



Part I GENERAL IN	NFORMATION	Continued
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Section B CHEMICAL IDENTITY INFORMATION Continued				
Impurities (a) - Identify each impurity that may be reasonably anticipated to be present purpose. Provide the CAS Registry Number if available. If there are unit (b) - Estimate the maximum weight % of each impurity. If there are unidentifications.	dentified impurities, enter "u	nidentified."		cial
Impurity (a)	CAS	Registry umber (a)	Maximum Percent % (b)	Confi- dential
XXX	,	ΚXX	XXX	Х
XXX	,	«хх	XXX	Х
XXX)	КХХ	XXX	Х
XXX)	КХХ	XXX	Х
XXX	,	«хх	XXX	Х
XXX	,	ΚXX	XXX	Х
Mark (X) this box if the data continues on the next page.		X		
Enter Attachment filename for Part I, Section B, 3.	Attachment Number 015_L	ight_Distillate_	Impurity_Data	_SV.pdf
4. Synonyms - Enter any chemical synonyms for the new chemical identified in sub	section 1 or 2.			
Enter Attachment filename for Part I, Section B, 4.				
5. Trade identification - List trade names for the new chemical substance identified XXX	in subsection 1 or 2.			
				X
Enter Attachment filename for Part I, Section B, 5.			Į.	
Generic chemical name - If you claim chemical identify as confidential, you must specific chemical identify of the new chemical substance Substance Inventory, 1985 Edition, Appendix B for guid Plastics, wastes, pyrolyzed, light distillate	e to the maximum extent pos	ssible. Refer to		
Enter Attachment filename for Part I, Section B, 6.				
 Byproducts - Describe any byproducts resulting from the manufacture, processin CAS Registry Number if available. 	g, use, or disposal of the ne			
Byproduct (1)		CAS Regis		Confi- dential
xxx		X	<i>'</i>	Х
Mark (X) this box if the data continues on the next page.				



PMN Page 6 (1)

Section B CHEMICAL IDENTITY INFORMATION Continued				
Impurities (a) - Identify each impurity that may be reasonably anticipated to be present in purpose. Provide the CAS Registry Number if available. If there are unidentified (b) - Estimate the maximum weight % of each impurity. If there are unidentified (b) - Estimate the maximum weight weight with the control of the control o	entified impurities, enter "u	unidentified."		cial
Impurity (a)	CAS	Registry umber (a)	Maximum Percent % (b)	Confi- dential
XXX		XXX	XXX	Χ
XXX		xxx	XXX	Х
XXX		xxx	XXX	Х
XXX		XXX	XXX	Х
XXX		XXX	XXX	Χ
XXX		XXX	XXX	Х
Mark (X) this box if the data continues on the next page.				
Enter Attachment filename for Part I, Section B, 3.				
4. Synonyms - Enter any chemical synonyms for the new chemical identified in subs	ection 1 or 2.			
Enter Attachment filename for Part I, Section B, 4.				
Trade identification - List trade names for the new chemical substance identified in	n subsection 1 or 2.			
Enter Attachment filename for Part I, Section B, 5.				
Generic chemical name - If you claim chemical identify as confidential, you must p specific chemical identity of the new chemical substance Substance Inventory, 1985 Edition, Appendix B for guida	to the maximum extent po	ssible. Refer t		
Enter Attachment filename for Part I, Section B, 6.			ibatawaa Duari	i al a tha a
 Byproducts - Describe any byproducts resulting from the manufacture, processing CAS Registry Number if available. 	, use, or disposal of the ne			
Byproduct (1)			stry Number (2)	Confi- dential
Mark (X) this box if the data continues on the next page.				



Part I – GENERAL INFORMA	TION Continued		
	currently correct Chemical Abstraction and control and		bstance
Mark (X) the "Confidential" box next to any			
Complete either item 1 (Class 1 or 2 substances) or 2 (Polymers) as appropriate	te. Complete all other items.		
If another person will submit chemical identity information for you (for either Iter the name, company, and address of that person in a continuation sheet.	m 1 or 2), mark (X) the box at the	right. Identify	
 Class 1 or 2 chemical substances (for definitions of class 1 and class 2 substances, see the Instructions Manual) 	Class 1	Class 2	СВІ
a. Class of substance - Mark (X)			X
 b. Chemical name (Currently correct Chemical Abstracts (CA) Name that is consubstances. For Class 1 substances a CA Index Name must be provided. For Preferred Name must be provided, which ever is appropriate based on current XXX 	or Class 2 substances either a Ca	A Index Name or CA	X
CAS Registry Number (if a number already exists for the substance)			
	XXX		()
identification report obtained from the CAS inventory Evpert 1 V I I	IES Order Number	Method 2 (Other Source)	one).
Enter Attachment filename for Part I, Section B, 1. c.	Attachment Number 003_Middle_I	Distillate_IES_Report_S	V.pdf
d. Molecular formula XXX			X
e. For a class 1 substance, provide a complete and correct chemical structure			
representative or partial chemical structure diagram, as complete as can be See Attachment 025 (Attachment Number 025_Representative_Chemical_Stru			
Enter Attachment filename for Part I, Section B, 1. e.	Attachment Number 025_Repre	esentative_Chemical S	trudture_Middle [



PMN Page 4a

For a class 2 substance - (1) List the immediate precursor substances with the nature of the reaction or process. (3) Indicate the range of composition	their respective CAS Registry Numbers. (2) Describe and the typical composition (where appropriate).	Confidential
e. (1) List the immediate precursor substance names with their respective	CAS Registry Numbers.	X
xxx		
5 (A)		
Enter Attachment filename for Part I, Section B, 1. e. (1)		
e. (2) Describe the nature of the reaction or process.		X
XXX		
Enter Attachment filename for Dort I. Costion D. 1. c. (2)		
Enter Attachment filename for Part I, Section B, 1. e. (2) e. (3) Indicate the range of composition and the typical composition (where	annyanyiata\	
XXX	е арргорпа с е).	X
Enter Attachment filename for Part I, Section B, 1. e. (3)	Attachment Number 011_Range_Of_Composition_Mid	ldle_D <u>istil</u> late_\$V.pdf



P WINZOTHI SXZ	art I GENERAL I	NEODM		Can	tipund				
				Con	tinuea				
Section B CHEMICAL IDE 2. Polymers (For a definition of polym			ea					Confide	ntial
Indicate the number-average weights			tion of the po	lymer y	ou intend to	manufactu	re.	Cornide	IIIIai
Indicate maximum weight percent	of low molecular weight spec	cies (not inclu							
below 500 and below 1,000 absol		•							
	Describe the methods of mea	asurement or	the basis for y	our es	timates:				
GPC Oth	er (Specify Below)								
Specify Other:	,								
(i) lowest number average molecula	r (ii) maximum weight	% holow 500	molocular	/iii) maximum w	oight % h	olow 10	00 molocu	ılar
weight:		eight:	moleculai	("") IIIaxiiIIuIII w	weight		oo molecu	ııaı
Enter Attachment filename for F	Part I, Section B, 2. a.								
b. You must make separate confident			identity, com	positio	n information	, and resid	ual info	rmation. N	/lark
(X) the "Confidential" box next to any (1) - Provide the specific chemica			nber exists) o	of each	monomer or	other reac	tant use	ed in the	
manufacture of the polymer.		(,						
(2) - Mark (X) this column if entry(3) - Indicate the typical weight per		har ragatant i	a the polymer						
(4) - Choose "yes" from drop dow	n menu if you want a monom	er or other re	actant used a	t two w	eight percent	or less to	be liste	d as part o	of
the polymer description on th	e TSCA Chemical Substance	e Inventory.			•				
(5) - Mark (X) this column if entrie(6) - Indicate the maximum weigh			nt that may h	e nrese	ent as a residi	ual in the r	oolymer	as	
manufactured for commercia	purposes.	T Other reacta	in and may b	o p. 000	one do a room	uai iii iiio j	olymor	uo	
(7) - Mark (X) this column if entry	in column (6) is confidential.		1		Tuninal	من مام ما	ı	Mari	
Monomer or othe	r reactant specific chemical n	name		CBI	Typical composition	Include in identity	CBI	Max residual	СВІ
	(1)			(2)	(3)	(4)	(5)	(6)	(7)
CAS Registry Number (1)								
Crite regionly realiser (17								
CAS Registry Number (1)								
0405 : 4 N 1 4	,, I								
CAS Registry Number (1)								
CAS Registry Number (1)								
CAS Registry Number (7								
CAS Registry Number (1)								
Mark (X) this box if the data continues	,				I	1	1		1



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c. Please identify which method you used to develop or obtain (check one).	the specified of	chemical identity informa	ation reported in this notice	СВІ	
Method 1 (CAS Inventory Expert Service					
- a copy of the identification report obtained	IES Order		Method 2		
from CAS Inventory Expert Service must be	Number		(other source)		
submitted as an attachment to this notice) Enter Attachment filename for Part I, Section B, 2. c.					
d. The currently correct Chemical Abstracts (CA) name for the	e nolymer that i	is consistent with TSCA	Inventory listings for similar		_
polymers.	c polymor that i	is consistent with 100A	inventory listings for similar		
					_
CAS Registry Number (if a number already exists for the					
Provide a correct representative or partial chemical structures ascertained.	ure diagram, as	complete as can be kn	own, if one can be reasonably		
ascertained.					
Enter Attachment filename for Part I, Section B, 2. 6	e.				



Section B CHEMICAL IDENTITY INFORMATION Continued				
Impurities (a) - Identify each impurity that may be reasonably anticipated to be present purpose. Provide the CAS Registry Number if available. If there are unit (b) - Estimate the maximum weight % of each impurity. If there are unidentifications.	dentified impurities, ent	er "unidentified."		cial
Impurity (a)		CAS Registry Number (a)	Maximum Percent % (b)	Confi- dential
XXX		XXX	XXX	Х
XXX		XXX	XXX	Х
XXX		XXX	XXX	Х
XXX		XXX	XXX	Х
XXX		XXX	XXX	Х
XXX		XXX	XXX	Х
Mark (X) this box if the data continues on the next page.		X		
Enter Attachment filename for Part I, Section B, 3.	Attachment Number 0	16_Middle_Distilla	ate_Impurity_Da	ta_\$V.pdf
4. Synonyms - Enter any chemical synonyms for the new chemical identified in sub	section 1 or 2.			
Enter Attachment filename for Part I, Section B, 4.				
5. Trade identification - List trade names for the new chemical substance identified XXX	in subsection 1 or 2.			X
Enter Attachment filename for Part I, Section B, 5.				
Generic chemical name - If you claim chemical identify as confidential, you must specific chemical identify of the new chemical substance Substance Inventory, 1985 Edition, Appendix B for guid Plastics, wastes, pyrolyzed, middle distillate	e to the maximum exter	nt possible. Refer		
	T			
Enter Attachment filename for Part I, Section B, 6. 7. Byproducts - Describe any byproducts resulting from the manufacture, processing	g use or disposal of th	e new chemical s	uhetance Prov	ide the
CAS Registry Number if available.	g, doe, or disposal of th			
Byproduct (1)		CAS Reg	istry Number (2)	Confi- dential
XXX		;	ΚΧΧ	Х
Mark (X) this box if the data continues on the next nage				



PMN2014P6X2-1 PMN Page	6 (1)	`	SANITIZED SUE	DIVISSION
Part I GENERAL INFORMA		tinued		
Section B CHEMICAL IDENTITY INFORMATION Continued				
Impurities (a) - Identify each impurity that may be reasonably anticipated to be present purpose. Provide the CAS Registry Number if available. If there are unic (b) - Estimate the maximum weight % of each impurity. If there are unidentification.	lentified impurities,	enter "unidentified."		cial
Impurity (a)		CAS Registry Number (a)	Maximum Percent % (b)	Confi- dential
XXX		XXX	XXX	Х
XXX		XXX	XXX	Х
XXX		XXX	XXX	Х
XXX		XXX	XXX	Х
XXX		XXX	XXX	Х
XXX		XXX	XXX	Х
Mark (X) this box if the data continues on the next page.				
Enter Attachment filename for Part I, Section B, 3.				
4. Synonyms - Enter any chemical synonyms for the new chemical identified in subs	ection 1 or 2.			
Enter Attachment filename for Part I, Section B, 4.				
5. Trade identification - List trade names for the new chemical substance identified i	n subsection 1 or 2			
Enter Attachment filename for Part I, Section B, 5.				
Generic chemical name - If you claim chemical identify as confidential, you must specific chemical identity of the new chemical substance Substance Inventory, 1985 Edition, Appendix B for guida Enter Attachment filename for Part I, Section B, 6.	to the maximum e	xtent possible. Refer		
Byproducts - Describe any byproducts resulting from the manufacture, processing	ı, use, or disposal o	of the new chemical s	substance Prov	ide the
CAS Registry Number if available.	, acc, or alopodal (
Byproduct (1)		CAS Reg	istry Number (2)	Confi- dential

Mark (X) this box if the data continues on the next page.



Section B - CHEMICAL IDENTITY INFORMATION: You must provide a currently correct Chemical Abstracts (CA) name of the substance based on current CA index norm-current user than 10 cannot be substance based on current CA index norm-current user and conventions. Mark (X) the "Confidential" box next to any tem you claim as confidential" correct from the first person will submit chemical identity information for you (for either Item 1 or 2), mark (X) the box at the right. Identity the name, company, and address of that person in a continuation short. 1. Class 1 or 2 chemical substances (for definitions of class 1 and class 2 substances, see the instructions Manual) 2. Class 61 substance - Mark (X) 3. Class 61 substance - Mark (X) 5. Chemical name (Currently correct Chemical Abstracts (CA) Name that a consistent with TSCA inventory listings or similar Preferred Name must be provided. Which ever is appropriate based on current CA index nomenciature rules and conventions). XXX CAS Registry Number (if a number already exists for the substance) 2. Please identify which method you used to develop or obtain the specified chemical identity information reported in this notice (check one). Method 1 (CAS Inventory Expert Service -a copy of the Method 1 (CAS Inventory Expert Service -a copy of the Number (CAS Inventory Expert Service) -a copy of the Number (CAS Inventory Expert Service) -a copy of the Number (CAS Inventory Expert Service) -a copy of the Number (CAS Inventory Expert Service) -a copy of the Number (CAS Inventory Expert Service) -a copy of the Number (CAS Inventory Expert Service) -a copy of the Number (CAS Inventory Expert Service) -a copy of the Number (CAS Inventory Expert Service) -a copy of the Number (CAS Inventory Expert Service) -a copy of the Number (CAS Inventory Expert Service) -a copy of the Number (CAS Inventory Expert Service) -a copy of the Number (CAS Inventory Expert Service) -a copy of the Number (CAS Inventory Expert Service) -a copy of the Number (CAS Inventory Expert Service) -a copy	Part I – GENERA				acts (CA) name	of the sub	ostance				
Complete either item 1 (Class 1 or 2 substances) or 2 (Polymers) as appropriate. Complete all other items. If another person will submit chemical identity information for you (for either item 1 or 2), mark (X) the box at the right. Identify the name. Company, and address of that person in a continuation steel. 1. Class 1 or 2 chemical substances (for definitions of class 1 and class 1 class 1 Class 2 Class 2 substances, see the instructions Manual) 2. Class of substance. Mark (X) 3. Class of substance. Mark (X) 5. Chemical anne Currently correct Chemical Abstracts (CA) Name that is consistent with TSCA Inventory listings for similar substances. For Class 1 substances as CA Index Name must be provided. For Class 2 substances either a CA Index Name or CA Preferred Name must be provided, which ever is appropriate based on current CA index nomenciature rules and conventions). XXX CAS Registry Number (if a number already exists for the substance) 2. Please identify which method you used to develop or obtain the specified chemical identity information reported in this notice. (check one). Method 1 (CAS Inventory Expert Service - a copy of the identification opport obtained from the CAS inventory Expert Sources must be submitted as an attachment to his notice). Enter Attachment floamer for Part 1, Section B. 1, c. 4. Molecular formula XXX 5. For a class 1 substance, provide a complete and correct chemical structure diagram. For a class 2 substance, provide a correct representative or partial chemical structure diagram. For a class 2 substance, provide a correct representative or partial chemical structure diagram. For a class 1 substance, provide a correct chemical structure diagram. For a class 1 substance, provide a correct representative or partial chemical structure diagram. For a class 1 substance, provide a correct representative or partial chemical structure diagram. For a class 1 substance, provide a correct representative or partial chemical structure. Heavy_Distillate, SV pdf)	based	d on current CA	A index nome	nclature rules and o		or are suk	Johnson				
Iterative person will submit themical identity information for your (for either item 1 or 2), mark (X) the box at the right. Identity											
the name, company, and address of that preson in a continuation sheet. Class 1 Class 2 Class 2	, , , ,	, , , ,	•		e right Identify						
2 substances, see the Instructions Manual) a. Class of substance - Mark (X) D. Chemical name (Currently correct Chemical Abstracts (CA) Name that is consistent with TSCA Inventory listings for similar substances. For Class 1 substances a CA Index Name must be provided. For Class 2 substances either a CA Index Name or CA Preferred Name must be provided, which ever is appropriate based on current CA index nomenclature rules and conventions). XXX CAS Registry Number (if a number already exists for the substance) C. Please identify which method you used to develop or obtain the specified chemical identity information reported in this notice: (check one). Method 1 (CAS Inventory Expert Service - a copy of the Identification report obtained from the CAS Inventory Expert Services must be submitted as an attachment to this notice). Reference in the CAS Inventory Expert Service - a copy of the Identification report obtained from the CAS Inventory Expert Services must be submitted as an attachment to this notice). Reference in this notice: (check one). Reference in this	the name, company, and address of that person in a continuation	on sheet.	1 01 <i>2)</i> , ma	TR (X) the box at th	e right. Identity						
b. Chemical name Currently correct Chemical Abstracts (CA) Name that is consistent with TSCA Inventory listings for similar publishings and seasons as CA Index Name must be provided. For class 2 substances either a CA Index Name or CA preferred Name must be provided, which ever is appropriate based on current CA index nomenclature rules and conventions). CAS Registry Number (if a number already exists for the substance) 2. Please identify, which method you used to develop or obtain the specified chemical identify information reported in this notice: (check one). Method 1 (CAS Inventory Expert Service - a copy of the identification report obtained from the CAS Inventory Expert identification and the control of the CAS Inventory Expert identification and the control of the CAS Inventory Expert identification and the CAS Inventory		and class	Class	1	Class 2						
substances. For Class 1 substances a CA Index Name must be provided. For Class 2 substances either a CA Index Name or CA Preferred Name must be provided, which ever is appropriate based on current CA index nomenclature rules and conventions). CAS Registry Number (if a number already exists for the substance) C. Please Identify which method you used to develop or obtain the specified chemical identify information reported in this notice: (check one). Method 1 (CAS Inventory Expert Service - a copy of the Identification report obtained from the CAS Inventory Expert Service as an attachment to this notice) Enter Attachment filename for Part I, Section B. 1. c. Molecular formula XXX Miles For a class 1 substance, provide a complete and correct chemical structure diagram. For a class 2 substance, provide a correct representative or partial chemical structure diagram, as complete as can be known, if one can be reasonably ascertained. See Attachment 026 (Attachment Number 026_Representative_Chemical_Structure_Heavy_Distillate_SV.pdf)	a. Class of substance - Mark (X)						X				
C.AS Registry Number (if a number already exists for the substance) C. Please identify which method you used to develop or obtain the specified chemical identity information reported in this notice: (check one). Method 1 (CAS inventory Expert Service - a cupy of the identification report obtained from the CAS inventory Expert Services must be submitted as an attachment to this notice) Enter Attachment filename for Part I, Section B, 1. c. d. Molecular formula XXX E. For a class 1 substance, provide a complete and correct chemical structure diagram. For a class 2 substance, provide a correct representative or partial chemical structure diagram. For a class 2 substance, provide a correct representative or partial chemical structure diagram. For a class 2 substance, provide a correct representative or partial chemical structure diagram. For a class 2 substance, provide a correct representative or partial chemical structure diagram. For a class 2 substance, provide a correct representative or partial chemical structure diagram. For a class 2 substance, provide a correct representative or partial chemical structure diagram. For a class 2 substance, provide a correct representative or partial chemical structure diagram. For a class 2 substance, provide a correct representative or partial chemical structure diagram. For a class 2 substance, provide a correct representative or partial chemical structure diagram. For a class 2 substance, provide a correct representative or partial chemical structure diagram. For a class 2 substance, provide a correct representative or partial chemical structure diagram. For a class 2 substance, provide a correct representative or partial chemical structure diagram. For a class 2 substance, provide a correct provide a	substances. For Class 1 substances a CA Index Name mus	t be provided. F	For Class 2 su	ibstances either a	CA Index Name	or CA	X				
C.AS Registry Number (if a number already exists for the substance) c. Please identify which method you used to develop or obtain the specified chemical identity information reported in this notice: (check one). Method 1 (CAS Inventory Expert Services – a copy of the identification report obtained from the CAS Inventory Expert		e based on curr	ent CA index	nomenciature rule:	s and conventio	115).					
C. Please identify which method you used to develop or obtain the specified chemical identity information reported in this notice: (check one). Method 1 (CAS Inventory Expert Service - a copy of the Identification report obtained from the CAS Inventory Expert Services must be submitted as an attachment to this notice) Enter Attachment filename for Part I, Section B, 1. c. d. Molecular formula											
Method 1 (CAS Inventory Expert Service - a copy of the Identification report obtained from the CAS Inventory Expert Services must be submitted as an attachment to this notice) Enter Attachment filename for Part I, Section B, 1. c. d. Molecular formula XXX	CAS Registry Number (if a number already exists for the sul	bstance)	XXX								
Identification report obtained from the CAS Inventory Expert X ISS Officer Services must be submitted as an attachment to this notice)		the specified c		ity information repo		ce: (check	one).				
Enter Attachment filename for Part I, Section B, 1. c. Attachment Number 004_Heavy_Distillate_IES_Report_SV.pgff d. Molecular formula XXX	Identification report obtained from the CAS Inventory Expert	X		382030	(Other						
d. Molecular formula XXX e. For a class 1 substance, provide a complete and correct chemical structure diagram. For a class 2 substance, provide a correct representative or partial chemical structure diagram, as complete as can be known, if one can be reasonably ascertained. See Attachment 026 (Attachment Number 026_Representative_Chemical_Structure_Heavy_Distillate_SV.pdf)			Attachment N	umber 004_Heavy		Report_S\	V.pdf				
e. For a class 1 substance, provide a complete and correct chemical structure diagram. For a class 2 substance, provide a correct representative or partial chemical structure diagram, as complete as can be known, if one can be reasonably ascertained. See Attachment 026 (Attachment Number 026_Representative_Chemical_Structure_Heavy_Distillate_SV.pdf)	d. Molecular formula XXX										
See Attachment 026 (Attachment Number 026_Representative_Chemical_Structure_Heavy_Distillate_SV.pdf)						orrect					
Enter Attachment filename for Part I, Section B, 1. e. Attachment Number 026_Representative_Chemical_Structure_Heavy_	See Attachment 026 (Attachment Number 026_Representative_	_Chemical_Stru	ucture_Heavy	_Distillate_SV.pdf)							
	Enter Attachment filename for Part I, Section B, 1. e.		Attachmen	t Number 026_Rep	presentative_Ch	emical_St	rudture_Heav				



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For a class 2 substance - (1) List the immediate precursor substances with their respective CAS Registry Numbers. (2) Describe the nature of the reaction or process. (3) Indicate the range of composition and the typical composition (where appropriate).	Confidential
e. (1) List the immediate precursor substance names with their respective CAS Registry Numbers.	X
xxx	
Enter Attachment filename for Part I, Section B, 1. e. (1)	
e. (2) Describe the nature of the reaction or process.	X
XXX	
Enter Attachment filename for Part I, Section B, 1. e. (2)	
e. (3) Indicate the range of composition and the typical composition (where appropriate). XXX	X
Enter Attachment filename for Part I, Section B, 1. e. (3) Attachment Number 012_Range_Of_Composition_F	leavy_Distillate_SV.pd



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Continu D. CIII			t I GENERAL II			Con	inuea				
			ITY INFORMATION see the Instructions Manua		ea					Confider	atiol
			of the lowest molecular we		tion of the po	lvmer v	ou intend to i	manufactu	re.	Corilidei	Illai
Indicate maximun	n weight pe	ercent of I	ow molecular weight spec	ies (not includ							
below 500 and be	elow 1,000 a	absolute	molecular weight of that co	omposition.							
		Des	cribe the methods of mea	surement or t	he basis for y	our es	timates:				
GPC		Other	(Specify Below)								
Specify Other:			(
opcony outer.											
(2) I			(**)	0/ 11 500		/:::	·	-1-1-4-0/ 1	. 1 404	201	
(i) lowest number a weig		eculai	(ii) maximum weight we	% below 500 eight:	moleculai	(111)) maximum w	weight		JO Molecu	iai
Enter Attachme	ent filename	e for Part	I, Section B, 2. a.								
			y claims for monomer or o		identity, com	positio	n information,	and resid	ual info	rmation. N	lark
			า you claim as confidential me and CAS Registry Nur		nher exists) o	f each	monomer or o	other react	tant use	d in the	
manufacture	of the poly	/mer.		mbor (ii a riaii	iboi oxioto) o	. 00011			ant doc	, a a	
			olumn (1) is confidential.		. 41 1:						
			nt of each monomer or oth enu if you want a monome				eight percent	or less to	be liste	d as part o	of
the polymer	description	on the T	SCA Chemical Substance	Inventory.			0 1			•	
			columns (3) and (4) are c recent of each monomer or		nt that may h	e prese	ent as a residu	ıal in the r	olvmer	as	
manufacture	ed for comm	nercial pu	rposes.	other redeta	it that may b	o p. 000	ao a 100ia	aa:o p	, or y mor	uo	
(7) - Mark (X) this	s column if	entry in c	olumn (6) is confidential.				Typical	Ingluda in		Max	ı
N	Monomer or	r other rea	actant specific chemical na	ame		CBI	Typical composition	Include in identity	CBI	Max residual	СВІ
			(1)			(2)	(3)	(4)	(5)	(6)	(7)
CAS Re	egistry Num	nber (1)									
5.15.11	- g ,	(-)									
CAS Re	egistry Num	nber (1)									
CAS Re	egistry Num	nber (1)									
5.15.11	- g ,	(-)									
CAS Re	egistry Num	nber (1)									
	· •	. ,									
CAS Re	egistry Num	nber (1)									
Mark (X) this box if th	ne data con	tinues on	the next page.								



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c. Please identify which method you used to develop or obtain (check one).	the specified of	chemical identity informa	ation reported in this notice	СВІ	
Method 1 (CAS Inventory Expert Service					
- a copy of the identification report obtained	IES Order		Method 2		
from CAS Inventory Expert Service must be	Number		(other source)		
submitted as an attachment to this notice) Enter Attachment filename for Part I, Section B, 2. c.					
d. The currently correct Chemical Abstracts (CA) name for the	e nolymer that i	is consistent with TSCA	Inventory listings for similar		_
polymers.	c polymor that i	is consistent with 100A	inventory listings for similar		
					_
CAS Registry Number (if a number already exists for the					
Provide a correct representative or partial chemical structures ascertained.	ure diagram, as	complete as can be kn	own, if one can be reasonably		
ascertained.					
Enter Attachment filename for Part I, Section B, 2. 6	e.				



Part I	GENERAL	INFORMATION	Continued
	GLINENAL	IINI ORIVIA I IOIN	· Commuce

Section B CHEMICAL IDENTITY INFORMATION Continued	I							
Impurities (a) - Identify each impurity that may be reasonably anticipated to be preser purpose. Provide the CAS Registry Number if available. If there are ur (b) - Estimate the maximum weight % of each impurity. If there are unidentity.	identified impurities, enter "u	nidentified."		cial				
Impurity (a)		Registry umber (a)	Maximum Percent % (b)	Confi- dential				
XXX		XXX	XXX	Х				
xxx	;	XXX	XXX	Х				
xxx	;	xxx	XXX	Х				
xxx	;	XXX	XXX	Х				
xxx	;	XXX	XXX	Х				
xxx	,	xxx	XXX	Х				
Mark (X) this box if the data continues on the next page.		X						
Enter Attachment filename for Part I, Section B, 3. Attachment Number 017_Heavy_Distillate_Impurity								
4. Synonyms - Enter any chemical synonyms for the new chemical identified in subsection 1 or 2.								
Enter Attachment filename for Part I, Section B, 4.								
5. Trade identification - List trade names for the new chemical substance identified XXX	in subsection 1 or 2.			X				
Enter Attachment filename for Part I, Section B, 5.								
6. Generic chemical name - If you claim chemical identify as confidential, you must provide a generic name for your substance that reveals the specific chemical identity of the new chemical substance to the maximum extent possible. Refer to the TSCA Chemical Substance Inventory, 1985 Edition, Appendix B for guidance on developing generic names. Plastics, wastes, pyrolyzed, heavy distillate								
Enter Attachment filename for Part I, Section B, 6.	"							
 Byproducts - Describe any byproducts resulting from the manufacture, processing CAS Registry Number if available. 	ng, use, or disposal of the ne		istry Number	olde the				
Byproduct (1)			(2)	dential				
XXX)	XXX	Х				
Mark (X) this box if the data continues on the next page.								



2014P6X3-1 PMN Page 6 (1)

	Part I GENERAL INFORMATION Continued Section B CHEMICAL IDENTITY INFORMATION Continued 3. Impurities	
S	Section B CHEMICAL IDENTITY INFORMATION Continued	
3.	. Impurities	
	(a) - Identify each impurity that may be reasonably anticipated to be present in the chemical substance as manufactured for comme	

Impurities (a) - Identify each impurity that may be reasonably anticipated to be present in the che purpose. Provide the CAS Registry Number if available. If there are unidentified impurity. If there are unidentified impurity.	impurities, enter "unidentified." ities, estimate their total weigh		rcial			
Impurity (a)	CAS Registry Number (a)	Maximum Percent % (b)	Confi- dential			
XXX	xxx	XXX	Х			
XXX	xxx	XXX	Х			
xxx	xxx	xxx	Х			
xxx	xxx	xxx	Х			
XXX	xxx	xxx	Х			
xxx	xxx	XXX	Х			
Mark (X) this box if the data continues on the next page.	X					
Enter Attachment filename for Part I, Section B, 3.						
4. Synonyms - Enter any chemical synonyms for the new chemical identified in subsection 1 or 2.						
Enter Attachment filename for Part I, Section B, 4.						
5. Trade identification - List trade names for the new chemical substance identified in subsec	etion 1 or 2.					
Enter Attachment filename for Part I, Section B, 5.						
Generic chemical name - If you claim chemical identify as confidential, you must provide a specific chemical identity of the new chemical substance to the m Substance Inventory, 1985 Edition, Appendix B for guidance on confidential substance.	naximum extent possible. Refe					
Enter Attachment filename for Part I, Section B, 6.						
 Byproducts - Describe any byproducts resulting from the manufacture, processing, use, or CAS Registry Number if available. 	·		vide the			
Byproduct (1)	CAS Re	gistry Number (2)	Confi- dential			

Mark (X) this box if the data continues on the next page.



PIMIN2014P6X3-2 PIMIN Page	. ,			
Part I GENERAL INFORMA	TION Cont	inued		
Section B CHEMICAL IDENTITY INFORMATION Continued				
Impurities (a) - Identify each impurity that may be reasonably anticipated to be present purpose. Provide the CAS Registry Number if available. If there are unit (b) - Estimate the maximum weight % of each impurity. If there are unidentifications.	dentified impurities,	enter "unidentified."	"	rcial
Impurity (a)	, , , , , , , , , , , , , , , , , , ,	CAS Registry Number (a)	Maximum Percent % (b)	Confi- dential
XXX		XXX	XXX	Х
Mark (X) this box if the data continues on the next page.				
Enter Attachment filename for Part I, Section B, 3.				
4. Synonyms - Enter any chemical synonyms for the new chemical identified in sub-	section 1 or 2.			
Enter Attachment filename for Part I, Section B, 4.				
5. Trade identification - List trade names for the new chemical substance identified	in subsection 1 or 2.			
Enter Attachment filename for Part I, Section B, 5.				
Generic chemical name - If you claim chemical identify as confidential, you must specific chemical identity of the new chemical substance Substance Inventory, 1985 Edition, Appendix B for guidentials.	to the maximum ex	tent possible. Refe		
Enter Attachment filename for Part I, Section B, 6.				
7. Byproducts - Describe any byproducts resulting from the manufacture, processin CAS Registry Number if available.	g, use, or disposal c			ride the
Byproduct (1)		CAS Re	egistry Number (2)	Confi- dential

Mark (X) this box if the data continues on the next page.



PMN2014P7			I Page									
Part I GENERAL INFORMATION Continued												
Section C PRODUCTION, IMPORT, AND USE INFORMATION:												
The information on this page refers to consolidated	chemic	al numbe	r(s):	X 1	2		3	4		5	6	
Mark (X) the "Con 1. Production volume Estimate the maximum production with the ma									the ma	vimum	product	ion
volume for any consecutive 12-month period during For a Low Volume Exemption application, if you che volume and mark (x) in the binding box. If granted,	g the firs	st three ye have you	ars of prod notice re	duction. viewed a	Estimates	should	be on 1	100% ne	w chem	ical sub	stance	basis.
Maximum first 12-month production (kg/yr) (100% new chemical substance basis)				•	ction (kg/yr ance basis	,	С	onfident	tial		ling Opti lark (X)	
XXX	XXX							X				
Enter Attachment filename for Part I, Section C, 1.												
 2. Use Information You must make separate confidentiality claims for the description of the category of use, the percent of production volume devoted to each category, the formulation of the new substance, and other use information. Mark (X) the "Confidential" Box next to any item you claim as confidential. a. (1)Describe each intended category of use of the new chemical substance by function and application. (2)Mark (X) this column if entry column (1) is confidential business information (CBI). (3)Indicate your willingness to have the information provided in column (1) binding. (4)Estimate the percent of total production for the first three years devoted to each category of use. (5)Mark (X) this column if entry in column (4) is confidential business information (CBI). (6)Estimate the percent of the new substance as formulated in mixtures, suspensions, emulsions, solutions, or gels as manufactured for commercial purposes at sites under your control associated with each category of use. (7)Mark (X) this column if entry in column (6) is confidential business information (CBI). (8)Indicate % of product volume expected for the listed "use" sectors. Mark more than one box if appropriate. Mark (X) to indicate your willingness to have the use type provided in (8) binding. (9)Mark (X) this column if entry(ies) in column (8) is (are) confidential business information (CBI). 												
Category of use (1)		Binding	Prod		% in	` '		substan	ice expe	ected pe	er use	
(by function and application i.e. a dispersive dye for finishing polyester fibers)	(2)	Option Mark (X) (3)	uction % (4)	CBI (5)	Form- ulation (6)	CBI (7)	Site- limited	Con- sumer*	Industrial	Com- mercial	Binding Option	CBI (9)
XXX	X	, ,	xxx	X	XXX	X	xxx	XXX	xxx	xxx		X
* If you have identified a "consumer" use, please provide on a continuation sheet a detailed description of the use(s) of this chemical substance in consumer products. In addition include estimates of the concentration of the new chemical substance as expected in consumer products and describe the chemical reactions by which this substance loses its identity in the consumer product.												
b. Generic use If you claim any category	of use					ntial, ei	nter a g	eneric d	escriptio	on of the	at categ	ory.
description Read the Instruction Man Petroleum blend stock												
Enter Attachment filename for Part I, Section	C, 2. b.								СВ	31]
3. Hazard Information Include in the notice a copy of data sheet, or other information which will be provide regarding protective equipment or practices for the sa hazard information you include. Mark (X) this box if you attach hazard information.	d to any afe hand	person wl	ho is reaso	nably li	kely to be	expose	d to this	s substa	nce		Binding Mark	



PMN2014P7X1			I Page									
Part I GENERAL INFORMATION Continued												
Section C PRODUCTION, IMPORT, AND USE INFORMATION:												
The information on this page refers to consolidated	chemic	al numbe	er(s):	□ 1	X 2		3	4		5	6	
Mark (X) the "Con 1. Production volume Estimate the maximum production with the ma	luction \	olume dur	ring the fire	st 12 mc	onths of pro	oductio	n. Also e	estimate				
volume for any consecutive 12-month period during For a Low Volume Exemption application, if you ch volume and mark (x) in the binding box. If granted,	oose to	have your	r notice re	viewed a								
Maximum first 12-month production (kg/yr) (100% new chemical substance basis)				•	ction (kg/yr ance basis	,	С	onfiden	tial		ing Opt lark (X)	
xxx xxx X												
Enter Attachment filename for Part I, Section C, 1.												
 2. Use Information You must make separate confidentiality claims for the description of the category of use, the percent of production volume devoted to each category, the formulation of the new substance, and other use information. Mark (X) the "Confidential" Box next to any item you claim as confidential. a. (1)Describe each intended category of use of the new chemical substance by function and application. (2)Mark (X) this column if entry column (1) is confidential business information (CBI). (3)Indicate your willingness to have the information provided in column (1) binding. (4)Estimate the percent of total production for the first three years devoted to each category of use. (5)Mark (X) this column if entry in column (4) is confidential business information (CBI). (6)Estimate the percent of the new substance as formulated in mixtures, suspensions, emulsions, solutions, or gels as manufactured for commercial purposes at sites under your control associated with each category of use. (7)Mark (X) this column if entry in column (6) is confidential business information (CBI). (8)Indicate % of product volume expected for the listed "use" sectors. Mark more than one box if appropriate. Mark (X) to indicate your willingness to have the use type provided in (8) binding. (9)Mark (X) this column if entry(ies) in column (8) is (are) confidential business information (CBI). 												
	(0) 18	<u> </u>	Prod	35111655	% in	i (CDI).	% of	substar	ice expe	ected pe	er use	
Category of use (1) (by function and application i.e. a dispersive dye for finishing polyester fibers)	CBI	Binding Option Mark (X)	uction %	СВІ	Form- ulation	СВІ	Site-	Con-	(8)	Com-	Binding	СВІ
	(2)	(3)	(4)	(5)	(6)	(7)	limited	sumer*		mercial	Option	(9)
XXX	X		XXX	X	XXX	X	XXX	XXX	XXX	xxx	X	X
* If you have identified a "consumer" use, please prov consumer products. In addition include estimates of the the chemical reactions by which this substance loses	he conc	entration o	of the new	chemic	al substand							
Mark (X) this box if the data continues on the next page		,		p								
b. Generic use description lead the Instruction Man						ntial, e	nter a g	eneric d	escriptic	on of the	at categ	ory.
Enter Attachment filename for Part I, Section	C, 2. b.								СВ	31		
3. Hazard Information Include in the notice a copy of data sheet, or other information which will be provided regarding protective equipment or practices for the safety hazard information you include. Mark (X) this box if you attach hazard information.	of reason d to any afe hand	person wl	ho is reaso	onably li	kely to be	expose	d to this	substa	ial safet nce	у	Binding Mark	



PMN2014P7X2			Page									
Part I GENERAL INFORMATION Continued												
Section C PRODUCTION, IMPORT, AND USE INFORMATION:												
The information on this page refers to consolidated			` ,	<u> </u>	2		3	<u>4</u>		5	6	
Mark (X) the "Cor 1. Production volume Estimate the maximum production volume for any consecutive 12-month period durin For a Low Volume Exemption application, if you che volume and mark (x) in the binding box. If granted,	duction v g the firs noose to	olume dur st three yea have your	ing the firs ars of proc notice rev	t 12 mo luction. viewed a	onths of pro Estimates	oduction should	n. Also o be on 1	estimate 100% ne	w chen	nical su	bstance	basis.
Maximum first 12-month production (kg/yr) (100% new chemical substance basis) Maximum 12-month production (kg/yr) (100% new chemical substance basis) Confidential Mark (X)												
XXX	xxx X											
Enter Attachment filename for Part I, Section C	, 1.						· ·			CBI		
 2. Use Information You must make separate confidentiality claims for the description of the category of use, the percent of production volume devoted to each category, the formulation of the new substance, and other use information. Mark (X) the "Confidential" Box next to any item you claim as confidential. a. (1)Describe each intended category of use of the new chemical substance by function and application. (2)Mark (X) this column if entry column (1) is confidential business information (CBI). (3)Indicate your willingness to have the information provided in column (1) binding. (4)Estimate the percent of total production for the first three years devoted to each category of use. (5)Mark (X) this column if entry in column (4) is confidential business information (CBI). (6)Estimate the percent of the new substance as formulated in mixtures, suspensions, emulsions, solutions, or gels as manufactured for commercial purposes at sites under your control associated with each category of use. (7)Mark (X) this column if entry in column (6) is confidential business information (CBI). (8)Indicate % of product volume expected for the listed "use" sectors. Mark more than one box if appropriate. Mark (X) to indicate your willingness to have the use type provided in (8) binding. 												
Category of use (1) (by function and application i.e. a dispersive dye for										er use	СВІ	
finishing polyester fibers)	(2)	Mark (X) (3)	% (4)	(5)	ulation (6)	(7)	Site- limited	Con- sumer*	Industrial	Com- mercial	Binding Option	(9)
XXX	X		XXX	X	XXX	X	xxx	XXX	xxx	XXX		X
* If you have identified a "consumer" use, please proven consumer products. In addition include estimates of the chemical reactions by which this substance loses Mark (X) this box if the data continues on the next page	he conc its iden	entration o	of the new	chemica	al substan							
b. Generic use If you claim any category		description	in subsec	tion 2a	as confide	ntial er	nter a d	eneric d	eccrinti	on of th	at cated	J orv
description Read the Instruction Mar						eritiai, ei	iter a g	enenc d	езспри	on or un	at categ	Ory.
Enter Attachment filename for Part I, Section	•								CE			
3. Hazard Information Include in the notice a copy of data sheet, or other information which will be provide regarding protective equipment or practices for the se hazard information you include.	d to any afe hand	person wl	no is reaso	nably li	kely to be	expose	d to this estance.	s substa	nce	ty	Binding Mark	
Mark (X) this box if you attach hazard information	ation.						X					1



PMN2014P7X3			i Page										
Part I GI	ENEF	RAL INI	FORM	ATIO	N Co	ntin	ued						
Section C PRODUCTION, IMPORT, AND USE INFORMATION:													
The information on this page refers to consolidated chemical number(s): 1 2 3 X 4 5 6													
Mark (X) the "Cor													
 Production volume Estimate the maximum production volume for any consecutive 12-month period during For a Low Volume Exemption application, if you of volume and mark (x) in the binding box. If granted, 	g the firs	st three ye have you	ars of prod notice re	duction. viewed a	Estimates	should	be on 1	100% ne	w chem	ical sul	ostance	basis.	
Maximum first 12-month production (kg/yr) (100% new chemical substance basis) Maximum 12-month production (kg/yr) (100% new chemical substance basis) Confidential Mark (X)													
XXX	XXX	,						X					
Enter Attachment filename for Part I, Section C	, 1.						II.			CBI			
2. Use Information You must make separate confidentiality claims for the description of the category of use, the percent of production volume devoted to each category, the formulation of the new substance, and other use information. Mark (X) the "Confidential" Box next to any item you claim as confidential. a. (1)Describe each intended category of use of the new chemical substance by function and application. (2)Mark (X) this column if entry column (1) is confidential business information (CBI). (3)Indicate your willingness to have the information provided in column (1) binding. (4)Estimate the percent of total production for the first three years devoted to each category of use. (5)Mark (X) this column if entry in column (4) is confidential business information (CBI). (6)Estimate the percent of the new substance as formulated in mixtures, suspensions, emulsions, solutions, or gels as manufactured for commercial purposes at sites under your control associated with each category of use. (7)Mark (X) this column if entry in column (6) is confidential business information (CBI). (8)Indicate % of product volume expected for the listed "use" sectors. Mark more than one box if appropriate. Mark (X) to indicate your willingness to have the use type provided in (8) binding.													
Category of use (1)	(9)Mark (X) this column if entry(ies) in column (8) is (are) confidential business information (CBI). Category of use (1) Binding Prod % in % of substance expected per use												
(by function and application i.e. a dispersive dye for finishing polyester fibers)	(2)	Option Mark (X) (3)	uction % (4)	(5)	Form- ulation (6)	CBI (7)	Site- limited	Con- sumer*	(8)	Com- mercial	Binding Option	(9)	
XXX	X	(3)	XXX	X	XXX	X	xxx	XXX	xxx	XXX		X	
* If you have identified a "consumer" use, please provensumer products. In addition include estimates of the chemical reactions by which this substance loses	he conc	entration o	of the new	chemica	al substand								
Mark (X) this box if the data continues on the next page													
b. Generic use If you claim any category description Read the Instruction Mar Component of grease or wax products						ntial, ei	nter a g	eneric d	escriptio	on of th	at categ	ory.	
Enter Attachment filename for Part I, Section	C, 2. b.								СВ	31			
 Hazard Information Include in the notice a copy of data sheet, or other information which will be provide regarding protective equipment or practices for the sa hazard information you include. 	of reason d to any afe hand	person wi	ho is reaso	onably li	kely to be	expose	d to this	substa	ial safet nce	у	Binding Mark		
Mark (X) this box if you attach hazard informa	uUII.						IXI				- 1	1	



Part	II HUM	AN EXPOSURE AND E		IENTAL	RELE/	ASE					
Part II HUMAN EXPOSURE AND ENVIRONMENTAL RELEASE Section A INDUSTRIAL SITES CONTROLLED BY THE SUBMITTER Mark (X) the "Confidential" bo any item you claim as confidence in the submitten and item you can be submitten.											
		consolidated chemical number(s		2] 3 [4 5	6				
you control. Importers do not requirements if there are furth instructions manual 1. Operation description	have to con er industria	ufacture, processing, or use open plete this section for operations I processing or use operations a	outside the L Ifter import. Yo	J.S.; howeve	r, you ma	ay still have repo	rting				
a. Identity Enter the id	a. Identity Enter the identity of the site at which the operation will occur.										
Name	xxx										
Site address (number and street)	xxx	xx									
City	xxx		County		XXX						
State			ZIP code		XXX						
sites on a continuation sheet,	and if any o	han one site, enter the number of of the sites have significantly diff quested in this section for those	erent producti	on rates or	nal	XXX	X				
Mark (X) this box if the	data continue	es on the next page.									
b. Type Mark (X)	ufacturing	Processing		Use	;		X				
c. Amount and Duration	Complete	e 1 or 2 as appropriate					Confi- dential				
1. Batch		Maximum kg/batch (100% new chemical substance)	Hours/batch			Batches/year					
		Marrian un leu/alare									
2. Continuous		Maximum kg/day (100% new chemical substance) XXX	XXX	Hours/day	Days/year XXX	X					
d. Process description			Mark (X) to indicate your willingness to have your process description binding. →								
pails, 55 gallon drum (2) Provide the identity, materials and feedst chemicals (note freq (3) Identify by number the	i, rail car, tan the approxim ocks (includir uency if not une points of re	steps and chemical conversions. In k truck, etc.). late weight (by kg/day or kg/batch or ng reactants, solvents, catalysts, etc lised daily or per batch.). elease, including small or intermitter ne step, assign a second release nu	n a 100% new on a 100% new on a 100% new on all produce of all produce of the control of the con	hemical subst ducts, recycle	ance basi streams,	s), and entry point and wastes. Includ	of all starting de cleaning				
XXX							X				





Enter Attachment filename for Part II, Section A, 1. d.	Attachment Number 018_Process_Flow_Diagram	n_Sites <u>Un</u> der_Submitter
Enter Allecher and Electric Co.		
See Attachment 018 (Attachment Number 018_Process_Flow_Diagram_Sites_Under	er_Submitters_Control_SV.pdf)	
Diagram of the major unit operation steps.		
		Confidential



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I with age t										
Part II HUMAN EXPOSURE AND ENVIRONMENTAL RELEASE Continued										
Section A INDUSTRIAL SITES CONTROLLED BY THE SUBMIT	TER (Continue	d							
The information on pages 9 and 9a refer to consolidated chemical number(s):	X 1	2	3	4	5	6				

- 2. Occupational Exposure -- You must make separate confidentiality claims for the description of worker activity, physical form of the new chemical substance, number of workers exposed, and duration of activity. Mark (X) the "Confidential" box next to any item you claim as confidential.
 - (1) -- Describe the activities (i.e. bag dumping, tote filling, unloading drums, sampling, cleaning, etc.) in which workers may be exposed to the substance.
 - (2) -- Mark (X) this column if entry in column (1) is confidential business information (CBI).
 - (3) -- Describe any protective equipment and engineering controls used to protect workers.
 - (4) and (6) -- Indicate your willingness to have the information provided in column (3) or (5) binding.
 - (5) -- Indicate the physical form(s) of the new chemical substance (e.g., solid: crystal, granule, powder, or dust) and % new chemical substance (if part of a mixture) at the time of exposure.
 - (7) -- Mark (X) this column if entries in columns (3) and (5) are confidential business information (CBI).
 - (8) -- Estimate the maximum number of workers involved in each activity for all sites combined.
 - (9) -- Mark (X) this column if entry in column (8) is confidential business information (CBI).
 - (10) and (11) -- Estimate the maximum duration of the activity for any worker in hours per day and days per year.
 - (12) -- Mark (X) this column if entries in columns (10) and (11) are confidential business information (CBI).

Worker activity (i.e., bag dumping, filling	СВІ	Protective Equipment/	Binding Option	Physical form(s) & % new	Binding Option	СВІ	# of Workers	СВІ	Maximun	Duration	СВ
drums) (1)	(2)	Engineering Controls (3)	Mark (X) (4)	substance (5)	Mark (X) (6)	(7)	Exposed (8)	(9)	Hrs/Day (10)	Days/Yr (11)	(12)
XXX	X	XXX		xxx		Х	XXX	Х	XXX	XXX	Х
XXX	X	XXX		XXX		Х	XXX	Х	XXX	XXX	Х
×××	X	XXX		XXX		X	XXX	X	XXX	XXX	X
×××	X	XXX		xxx		Х	XXX	X	XXX	XXX	X
Mark (X) this box	if the	data continues on the next page	э.								



PMN Page 9a

- 3. Environmental Release and Disposal -- You must make separate confidentiality claims for the release number and the amount of the new chemical substance released and other release and disposal information. Mark (X) the "Confidential" box next to each item you claim as confidential.
 - (1) -- Enter the number of each release point identified in the process description, part II, section A, subsection 1d(3).
 - (2) -- Estimate the amount of the new substance released (a) directly to the environment or (b) into control technology (in kg/day or kg/batch).
 - (3) -- Mark (X) this column if entries in columns (1) and (2) are confidential business information (CBI).
 - (4) -- Identify the media (stack air, fugitive air (optional-see Instruction Manual), surface water, on-sité or off-site land or incineration, POTW, or other (specify)) to which the new substance will be released from that release point.
 - (5) -- a. Describe control technology, if any, and control efficiency that will be used to limit the release of the new substance to the environment. For releases disposed of on land, characterize the disposal method and state whether it is approved for disposal of RCRA hazardous waste. On a continuation sheet, for each site describe any additional disposal methods that will be used and whether the waste is subject to secondary or tertiary on-site treatment. b. Estimate the amount released to the environment after control technology (in kg/day).
 - (6) -- Mark (X) this column if entries in columns (4) and (5) are confidential business information (CBI).
 - (7) -- Identify the destination(s) of releases to water. Please supply NPDES (National Pollutant Discharge Elimination System) numbers for direct discharges or NPDES numbers of the POTW (Publicly Owned Treatment Works). Mark (X) if the POTW name or NPDES # is confidential business information (CBI).

Release Number	Amount Substance	of New Released	СВІ	Medium of release e.g. Stack air	release ontionally attach				l efficiency (you may wish to ach efficiency data)				
(1)	(2a)	(2b)	(3)	(4)		(5a)		Binding Mark (X)	(5b)	(6)			
XXX	xxx	XXX	Х	xxx	XXX				XXX	Х			
XXX	xxx	XXX	Х	xxx	xxx				XXX	Х			
				on the next page.									
(7) Mark	(X) the des	stination(s)	of releas	ses to water.				NPDES	S#	CBI			
	POTWpro name(s)	ovide											
	Navigable v - provide na	waterway- ame(s)											
	OtherSpe	cify											
	Enter Attachm	ent filename	for Part II,	Section A.									



Part	II HUM	AN EXPOSURE AND E	NVIRONN	IENTAL	RELE	ASI	E		
Section A INDUSTRIAL	SITES C	ONTROLLED BY THE SUBI	WITTER		Mark (X) any item	the "	Confiden	itial" box	next to
The information on pages 8 and	d 8a refer to	consolidated chemical number(s): 1	X 2	3		4	5	6
you control. Importers do not requirements if there are furth instructions manual 1. Operation description	have to con er industria	ufacture, processing, or use open plete this section for operations I processing or use operations a e site at which the operation will	s outside the Lafter import. Yo	J.S.; howeve	r, you m	ay s	till have	reporti	ng
Name		one at which the operation will	occur.						domina
Site address (number and street)	XXX								X
City	xxx		County		xxx				
State			ZIP code		XXX				
sites on a continuation sheet,	and if any o	han one site, enter the number of the sites have significantly dif quested in this section for those	ferent producti	on rates or	nal	>	ΚΧΧ		X
Mark (X) this box if the	data continu	es on the next page.							
b. Type Mark (X)	ufacturing	Processing		Use	:				X
c. Amount and Duration	Complete	e 1 or 2 as appropriate							Confi- dential
1. Batch		Maximum kg/batch (100% new chemical substance)	Hours/batch Batches				Batches/	year	
2. Continuous		Maximum kg/day (100% new chemical substance) XXX	XXX	Hours/day		×	Days/ye	ear	X
d. Process description			Mark (X) to inchave your pro			to]	
pails, 55 gallon drum (2) Provide the identity, materials and feedst chemicals (note freq (3) Identify by number the	i, rail car, tan the approxim ocks (includir uency if not une points of re	steps and chemical conversions. In k truck, etc.). late weight (by kg/day or kg/batch on ng reactants, solvents, catalysts, etc lsed daily or per batch.). elease, including small or intermitter le step, assign a second release nu	n a 100% new co.), and of all pro	hemical subst ducts, recycle	ance bas streams	sis), a , and	and entry wastes.	point of Include	all starting cleaning
xxx									X



PMN2014P8AX1

Enter Attachment filename for Part II, Section A, 1. d.	Attachment Number 018_Process_Flow_Diagram	n_Sites <u>Un</u> der_Submitter
Enter Allecher and Electric Co.		
	• •	
See Attachment 018 (Attachment Number 018_Process_Flow_Diagram_Sites_Unde	er_Submitters_Control_SV.pdf)	
Diagram of the major unit operation steps.		
		Confidential



IN2014P9X1 PMN Page 9

1 mil age	<u>, </u>						
Part II HUMAN EXPOSURE AND ENVIRONM	MENTAL	RELEAS	E Con	tinued			
Section A INDUSTRIAL SITES CONTROLLED BY THE SUBMIT	TER C	Continue	d				
The information on pages 9 and 9a refer to consolidated chemical number(s):	1	X 2	3	4	5	6	

- 2. Occupational Exposure -- You must make separate confidentiality claims for the description of worker activity, physical form of the new chemical substance, number of workers exposed, and duration of activity. Mark (X) the "Confidential" box next to any item you claim as confidential.
 - (1) -- Describe the activities (i.e. bag dumping, tote filling, unloading drums, sampling, cleaning, etc.) in which workers may be exposed to the substance.
 - (2) -- Mark (X) this column if entry in column (1) is confidential business information (CBI).
 - (3) -- Describe any protective equipment and engineering controls used to protect workers.
 - (4) and (6) -- Indicate your willingness to have the information provided in column (3) or (5) binding.
 - (5) -- Indicate the physical form(s) of the new chemical substance (e.g., solid: crystal, granule, powder, or dust) and % new chemical substance (if part of a mixture) at the time of exposure.
 - (7) -- Mark (X) this column if entries in columns (3) and (5) are confidential business information (CBI).
 - (8) -- Estimate the maximum number of workers involved in each activity for all sites combined.
 - (9) -- Mark (X) this column if entry in column (8) is confidential business information (CBI).
 - (10) and (11) -- Estimate the maximum duration of the activity for any worker in hours per day and days per year.
 - (12) -- Mark (X) this column if entries in columns (10) and (11) are confidential business information (CBI).

Worker activity	СВІ	Protective Equipment/	Binding Option	Physical form(s) & % new	Binding Option	СВІ	# of Workers	СВІ	Maximum	Duration	СВІ
drums) (1)	(2)	Engineering Controls (3)	Mark (X) (4)	substance (5)	Mark (X) (6)	(7)	Exposed (8)	(9)	Hrs/Day (10)	Days/Yr (11)	(12)
XXX	X	XXX		xxx		Х	XXX	X	XXX	XXX	X
XXX	Х	XXX		xxx		Х	XXX	Х	XXX	XXX	Х
XXX	X	XXX		XXX		Х	XXX	X	XXX	XXX	X
XXX	X	XXX		xxx		X	XXX	X	XXX	XXX	X
Mark (X) this box	if the	data continues on the next page			_						
Enter Attachment	filena	ame for Part II, Section A on the b	oottom of p	page 9a.							



IN2014P9AX1 PMN Pa

PMN Page 9a

- 3. Environmental Release and Disposal -- You must make separate confidentiality claims for the release number and the amount of the new chemical substance released and other release and disposal information. Mark (X) the "Confidential" box next to each item you claim as confidential.
 - (1) -- Enter the number of each release point identified in the process description, part II, section A, subsection 1d(3).
 - (2) -- Estimate the amount of the new substance released (a) directly to the environment or (b) into control technology (in kg/day or kg/batch).
 - (3) -- Mark (X) this column if entries in columns (1) and (2) are confidential business information (CBI).
 - (4) -- Identify the media (stack air, fugitive air (optional-see Instruction Manual), surface water, on-sité or off-site land or incineration, POTW, or other (specify)) to which the new substance will be released from that release point.
 - (5) -- a. Describe control technology, if any, and control efficiency that will be used to limit the release of the new substance to the environment. For releases disposed of on land, characterize the disposal method and state whether it is approved for disposal of RCRA hazardous waste. On a continuation sheet, for each site describe any additional disposal methods that will be used and whether the waste is subject to secondary or tertiary on-site treatment. b. Estimate the amount released to the environment after control technology (in kg/day).
 - (6) -- Mark (X) this column if entries in columns (4) and (5) are confidential business information (CBI).
 - (7) -- Identify the destination(s) of releases to water. Please supply NPDES (National Pollutant Discharge Elimination System) numbers for direct discharges or NPDES numbers of the POTW (Publicly Owned Treatment Works). Mark (X) if the POTW name or NPDES # is confidential business information (CBI).

Release Number	Amount Substance	of New Released	СВІ	Medium of release e.g. Stack air	Control technologic	ology and onally atta	efficie ch effi	ency (you n ciency data	nay wish to a)	СВІ
(1)	(2a)	(2b)	(3)	(4)	(5a	a)		Binding Mark (X)	(5b)	(6)
xxx	XXX	XXX	Х	XXX	xxx				xxx	Χ
XXX	XXX	XXX	Х	xxx	xxx				XXX	Х
	Mark (X) this b	oox if the data	continues	on the next page.						
(7) Mark	(X) the des	stination(s)	of releas	ses to water.				NPDES	S#	CBI
	POTWpro name(s)	vide								
	Navigable v - provide na	waterway- ame(s)								
	OtherSpe	cify								
	Enter Attachm	ent filename	for Part II,	Section A.						





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Part	II HUM	AN EXPOSURE AND	ENVIRON	MENTAL F	RELEA	SE	
Section A INDUSTRIAL	SITES CO	ONTROLLED BY THE SUE	BMITTER			e "Confidential" bo ou claim as confide	
		consolidated chemical number			3 [4 5	6
you control. Importers do not requirements if there are furth instructions manual	have to con	ufacture, processing, or use o nplete this section for operatio Il processing or use operations	ns outside the	e U.S.; however	r, you may	still have repor	ting e
Operation description a. Identity Enter the id	entity of the	e site at which the operation wi	ll occur.				Confi- dential
Name	XXX						
Site address (number and street)	xxx						X
City	xxx		County		XXX		
State			ZIP code		xxx		
sites on a continuation sheet,	and if any o	han one site, enter the numbe of the sites have significantly d quested in this section for thos	ifferent produ	iction rates or	nal	XXX	X
Mark (X) this box if the	data continue	es on the next page.					
b. Type Mark (X)	ufacturing	Processing		Use	: [X
c. Amount and Duration	Complete	e 1 or 2 as appropriate					Confi- dential
1. Batch		Maximum kg/batch (100% new chemical substance)		Hours/batch		Batches/year	
2. Continuous		Maximum kg/day (100% new chemical substance		Hours/day		Days/year	X
Z. Continuodo		XXX	XXX			XXX	
d. Process description				indicate your will process description			
pails, 55 gallon drum (2) Provide the identity, materials and feedst chemicals (note freq (3) Identify by number th	i, rail car, tan the approxim ocks (includir uency if not une points of re	steps and chemical conversions. k truck, etc.). hate weight (by kg/day or kg/batching reactants, solvents, catalysts, eused daily or per batch.). elease, including small or intermittine step, assign a second release r	on a 100% nev tc.), and of all	w chemical substa products, recycle o the environment	ance basis) streams, a), and entry point on and wastes. Include	of all starting e cleaning
XXX							X





		Confidential
Diagram of the major unit operation steps.		
ee Attachment 018 (Attachment Number 018_Process_Flow_Diagram_Sit	tes_Under_Submitters_Control_SV.pdf)	
Enter Attachment filename for Part II, Section A, 1. d.	Attachment Number 018_Process_Flo	w_Diagram_Sites_Under_Subm



IN2014P9X2 PMN Page 9

i with age 3	,						
Part II HUMAN EXPOSURE AND ENVIRONN	MENTAL	RELEAS	SE Cor	ntinued			
Section A INDUSTRIAL SITES CONTROLLED BY THE SUBMIT	TER C	Continue	d				
The information on pages 9 and 9a refer to consolidated chemical number(s):	1	2	X 3	4	5	6	

- 2. Occupational Exposure -- You must make separate confidentiality claims for the description of worker activity, physical form of the new chemical substance, number of workers exposed, and duration of activity. Mark (X) the "Confidential" box next to any item you claim as confidential.
 - (1) -- Describe the activities (i.e. bag dumping, tote filling, unloading drums, sampling, cleaning, etc.) in which workers may be exposed to the substance.
 - (2) -- Mark (X) this column if entry in column (1) is confidential business information (CBI).
 - (3) -- Describe any protective equipment and engineering controls used to protect workers.
 - (4) and (6) -- Indicate your willingness to have the information provided in column (3) or (5) binding.
 - (5) -- Indicate the physical form(s) of the new chemical substance (e.g., solid: crystal, granule, powder, or dust) and % new chemical substance (if part of a mixture) at the time of exposure.
 - (7) -- Mark (X) this column if entries in columns (3) and (5) are confidential business information (CBI).
 - (8) -- Estimate the maximum number of workers involved in each activity for all sites combined.
 - (9) -- Mark (X) this column if entry in column (8) is confidential business information (CBI).
 - (10) and (11) -- Estimate the maximum duration of the activity for any worker in hours per day and days per year.
 - (12) -- Mark (X) this column if entries in columns (10) and (11) are confidential business information (CBI).

Worker activity (i.e., bag dumping, filling	СВІ	Protective Equipment/	Binding Option	Physical form(s) & % new	Binding Option	СВІ	# of Workers	СВІ	Maximun	Duration	СВ
drums) (1)	(2)	Engineering Controls (3)	Mark (X) (4)	substance (5)	Mark (X) (6)	(7)	Exposed (8)	(9)	Hrs/Day (10)	Days/Yr (11)	(12)
XXX	X	XXX		xxx		Х	XXX	Х	XXX	XXX	Х
XXX	Х	XXX		XXX		Х	XXX	Х	XXX	XXX	Х
XXX	X	XXX		XXX		X	XXX	Х	XXX	XXX	X
XXX	X	XXX		xxx		X	XXX	X	XXX	XXX	X
Mark (X) this box	if the	data continues on the next page	э.								



IN2014P9AX2 PMN Page 9a

3. Environmental Release and Disposal -- You must make separate confidentiality claims for the release number and the amount of the new chemical substance released and other release and disposal information. Mark (X) the "Confidential" box next to each item you claim as confidential.

- (1) -- Enter the number of each release point identified in the process description, part II, section A, subsection 1d(3).
- (2) -- Estimate the amount of the new substance released (a) directly to the environment or (b) into control technology (in kg/day or kg/batch).
- (3) -- Mark (X) this column if entries in columns (1) and (2) are confidential business information (CBI).
- (4) -- Identify the media (stack air, fugitive air (optional-see Instruction Manual), surface water, on-sité or off-site land or incineration, POTW, or other (specify)) to which the new substance will be released from that release point.
- (5) -- a. Describe control technology, if any, and control efficiency that will be used to limit the release of the new substance to the environment. For releases disposed of on land, characterize the disposal method and state whether it is approved for disposal of RCRA hazardous waste. On a continuation sheet, for each site describe any additional disposal methods that will be used and whether the waste is subject to secondary or tertiary on-site treatment. b. Estimate the amount released to the environment after control technology (in kg/day).
- (6) -- Mark (X) this column if entries in columns (4) and (5) are confidential business information (CBI).
- (7) -- Identify the destination(s) of releases to water. Please supply NPDES (National Pollutant Discharge Elimination System) numbers for direct discharges or NPDES numbers of the POTW (Publicly Owned Treatment Works). Mark (X) if the POTW name or NPDES # is confidential business information (CBI).

Release Number	Amount Substance	of New Released	СВІ	Medium of release e.g. Stack air	Con	trol technology a optionally a	and efficie attach eff	ency (you n iciency data	nay wish to a)	СВІ
(1)	(2a)	(2b)	(3)	(4)		(5a)		Binding Mark (X)	(5b)	(6)
XXX	XXX	XXX	Х	xxx	xxx				XXX	Х
XXX	xxx	XXX	Х	xxx	xxx				XXX	Х
				on the next page.						
(7) Mark	(X) the des	stination(s)	of releas	ses to water.				NPDES	S#	CBI
	POTWpro name(s)	ovide								
	Navigable v - provide na	waterway- ame(s)								
	OtherSpe	cify								
	Enter Attachm	ent filename	for Part II,	Section A.						





2014P8X3 PMN Page 8

Part	II HUM	AN EXPOSURE AND E	NVIR	ONME	NTAL	RELE	AS	E				
Section A INDUSTRIAL SITES CONTROLLED BY THE SUBMITTER Mark (X) the "Confidential" bo any item you claim as confidential and item you claim as confidential.												
The information on pages 8 and	d 8a refer to	consolidated chemical number(s):	1	2	3	Ť	4	5	6		
you control. Importers do not requirements if there are furth instructions manual 1. Operation description	have to con er industria	ufacture, processing, or use open plete this section for operations I processing or use operations a e site at which the operation will	outside after imp	the U.S	.; howeve	r, you m	ay :	still have	report	ing		
Name		sale at which the operation will	occur.							uchtiai		
Site address (number and street)									X			
City	City XXX County XXX											
State			ZIP cod	de		xxx						
sites on a continuation sheet,	and if any o	han one site, enter the number of the sites have significantly diff quested in this section for those	erent pr	oduction	rates or	nal		XXX		X		
Mark (X) this box if the	data continue	es on the next page.										
b. Type Mark (X)	ufacturing	Processing			Use	•]		X		
c. Amount and Duration	Complete	e 1 or 2 as appropriate								Confi- dential		
1. Batch	Ноц	ırs/batch			Batches/	year (
		Maximum kg/day					-					
2. Continuous		(100% new chemical substance) XXX	XXX	Ho	urs/day		-	Days/y	ear	X		
d. Process description			Mark ()		ate your wil		to					
pails, 55 gallon drum (2) Provide the identity, materials and feedst chemicals (note freq (3) Identify by number th	i, rail car, tan the approxim ocks (includir uency if not une points of re	steps and chemical conversions. In k truck, etc.). ate weight (by kg/day or kg/batch ong reactants, solvents, catalysts, etc used daily or per batch.). elease, including small or intermitter the step, assign a second release nu	clude into n a 100% c.), and of	new che f all produ es, to the e	mical subst cts, recycle	ance bas streams	sis), , an	and entry d wastes.	point o	f all starting cleaning		
XXX										X		





Enter Attachment filename for Part II, Section A, 1. d.	Attachment Number 018_Process_Flow_Diagram	n_Sites <u>Un</u> der_Submitter
Enter Allecher and Electric Co.		
	• •	
See Attachment 018 (Attachment Number 018_Process_Flow_Diagram_Sites_Unde	er_Submitters_Control_SV.pdf)	
Diagram of the major unit operation steps.		
		Confidential



IN2014P9X3 PMN Page

PININZU14F9A3 PININ PA	ige 9
Part II HUMAN EXPOSURE AND ENVIR	RONMENTAL RELEASE Continued
Section A INDUSTRIAL SITES CONTROLLED BY THE SU	BMITTER Continued
The information on pages 9 and 9a refer to consolidated chemical numbe	er(s): 1 2 3 X4 5 6

- 2. Occupational Exposure -- You must make separate confidentiality claims for the description of worker activity, physical form of the new chemical substance, number of workers exposed, and duration of activity. Mark (X) the "Confidential" box next to any item you claim as confidential.
 - (1) -- Describe the activities (i.e. bag dumping, tote filling, unloading drums, sampling, cleaning, etc.) in which workers may be exposed to the substance.
 - (2) -- Mark (X) this column if entry in column (1) is confidential business information (CBI).
 - (3) -- Describe any protective equipment and engineering controls used to protect workers.
 - (4) and (6) -- Indicate your willingness to have the information provided in column (3) or (5) binding.
 - (5) -- Indicate the physical form(s) of the new chemical substance (e.g., solid: crystal, granule, powder, or dust) and % new chemical substance (if part of a mixture) at the time of exposure.
 - (7) -- Mark (X) this column if entries in columns (3) and (5) are confidential business information (CBI).
 - (8) -- Estimate the maximum number of workers involved in each activity for all sites combined.
 - (9) -- Mark (X) this column if entry in column (8) is confidential business information (CBI).
 - (10) and (11) -- Estimate the maximum duration of the activity for any worker in hours per day and days per year.
 - (12) -- Mark (X) this column if entries in columns (10) and (11) are confidential business information (CBI).

Worker activity	СВІ	Protective Equipment/	Binding Option	Physical form(s) & % new	Binding Option	СВІ	# of Workers	СВІ	Maximum	Duration	СВІ
drums) (1)	(2)	Engineering Controls (3)	Mark (X) (4)	substance (5)	Mark (X) (6)	(7)	Exposed (8)	(9)	Hrs/Day (10)	Days/Yr (11)	(12)
XXX	X	XXX		xxx		Х	XXX	X	XXX	XXX	X
XXX	Х	XXX		xxx		Х	XXX	Х	XXX	XXX	Х
XXX	X	XXX		XXX		Х	XXX	X	XXX	XXX	X
XXX	X	XXX		xxx		X	XXX	X	XXX	XXX	X
Mark (X) this box	if the	data continues on the next page			_						
Enter Attachment	filena	ame for Part II, Section A on the b	oottom of p	page 9a.							



N2014P9AX3 PMN Page 9a

- 3. Environmental Release and Disposal -- You must make separate confidentiality claims for the release number and the amount of the new chemical substance released and other release and disposal information. Mark (X) the "Confidential" box next to each item you claim as confidential.
 - (1) -- Enter the number of each release point identified in the process description, part II, section A, subsection 1d(3).
 - (2) -- Estimate the amount of the new substance released (a) directly to the environment or (b) into control technology (in kg/day or kg/batch).
 - (3) -- Mark (X) this column if entries in columns (1) and (2) are confidential business information (CBI).
 - (4) -- Identify the media (stack air, fugitive air (optional-see Instruction Manual), surface water, on-sité or off-site land or incineration, POTW, or other (specify)) to which the new substance will be released from that release point.
 - (5) -- a. Describe control technology, if any, and control efficiency that will be used to limit the release of the new substance to the environment. For releases disposed of on land, characterize the disposal method and state whether it is approved for disposal of RCRA hazardous waste. On a continuation sheet, for each site describe any additional disposal methods that will be used and whether the waste is subject to secondary or tertiary on-site treatment. b. Estimate the amount released to the environment after control technology (in kg/day).
 - (6) -- Mark (X) this column if entries in columns (4) and (5) are confidential business information (CBI).
 - (7) -- Identify the destination(s) of releases to water. Please supply NPDES (National Pollutant Discharge Elimination System) numbers for direct discharges or NPDES numbers of the POTW (Publicly Owned Treatment Works). Mark (X) if the POTW name or NPDES # is confidential business information (CBI).

Release Number			СВІ	Medium of release e.g. Stack air	Con	Control technology and efficiency (you may wish to optionally attach efficiency data)						
(1)	(2a)	(2b)	(3)	(4)		(5a)		Binding Mark (X)	(5b)	(6)		
XXX	XXX	XXX	Х	xxx	xxx	xxx			XXX	Х		
XXX	xxx	XXX	Х	xxx	xxx				XXX	Х		
				on the next page.								
(7) Mark	(X) the des	stination(s)	of releas	ses to water.				NPDES	S#	CBI		
	POTWpro name(s)	ovide										
	Navigable waterway- - provide name(s)											
	OtherSpecify											
	Enter Attachm	ent filename	for Part II,	Section A.								



PMN2014P10 PMN Page 10				
Part II HUMAN EXPOSURE AND ENVIRONM	IENTAL RELEASE	– Continu	ıed	
Section B INDUSTRIAL SITES CONTROLLED BY OTHERS				
The information on pages 10 and 10a refer to consolidated chemical number(s):	X 1 2	3	45	6
Complete section B for typical processing or use operations involving the new chemical complete this section for operations outside the U.S.; however, you must report any processing of use operation involving more than one site describe the typical operation common to these sites. Identify additionally	ocessing or use activitien the new chemical subs	es after import tance. If the s	. See the Instructions	Manual.
 1(a). Operation Description To claim information in this section as confident confidential. (1) Diagram the major unit operation steps and chemical conversions, including pails, 55 gallon drums, rail cars, tank trucks, etc). On the diagram, identify (2) Either in the diagram or in the text field 1(b) below, provide the identity, the chemical substance basis), and entry point of all feedstocks (including reastreams, and wastes. Include cleaning chemicals (note frequency if not used) (3) Either in the diagram or in the text field 1(b) below, identify by number the 	ng interim storage and by letter and briefly de- e approximate weight (but approximate weight (but approximate) and casted daily or per batch).	ransport cont scribe each w by kg/day or k talysts, etc) a	ainers (specify - e.g. orker activity. g/batch, on an 100% nd all products, recyc	5 gallon new lle
environment of the new chemical substance. (4) Please enter the # of sites (remember to identify the locations of these site	es on a continuation she	≥et).		
(4) Thease effect the # of sites (remember to identify the locations of these site	Number of Sites	XXX	Confidential	X
		7///		
1(b). (Optional) This space is for a text description to clarify the diagram above.			Confidential	X

EPA FORM 7710-25 (Rev. 6-09)

Enter Attachment filename for Part II, Section B on the bottom of page 10a.

Attachment Number 019_Bulk_Pyrolysate_Sites_Not_Under_Submitters_Control

SANITIZED SUBMISSION



Continuation Sheet

ID	P10SB1(a)(4)1	Field	Part II, Section B, 1(a)(4). Operation Site Locations
XXX			



N2014P10A PMN Page 10a

2. Worker Exposure/Environmental Release

- (1) -- From the diagram above, provide the letter for each worker activity. Complete 2-8 for each worker activity described.
- (2) -- Estimate the number of workers exposed for all sites combined.
- (4) -- Estimate the typical duration of exposure per worker in (a) hours per day and (b) days per year.
- (6) -- Describe physical form of exposure and % new chemical substance (if in mixture), and any protective equipment and engineering controls, if any, used to protect workers.
- (7) -- Estimate the percent of the new substance as formulated when packaged or used as a final product.
- (9) -- From the process diagram above, enter the number of each release point. Complete 9-13 for each release point identified.
- (10) -- Estimate the amount of the new substance released (a) directly to the environment or (b) into control technology to the environment (in kg/day or kg/batch).
- (12) -- Describe media of release i.e. stack air, fugitive air (optional-see Instructions Manual), surface water, on-site or off-site land or incineration, POTW, or other (specify) and control technology, if any, that will be used to limit the release of the new substance to the environment.
- (14) -- Identify byproducts which may result from the operation.
 - (3), (5), (8), (11), (13) and (15) -- Mark (X) this column if any of the proceeding entries are confidential business information (CBI).

Letter of Activity	# of Workers Exposed	СВІ		tion of osure	СВІ	Protect	ive Equip./Engineering Controls/Physical Form	% new substance	% in Formulation	СВІ
(1)	(2)	(3)	(4a)	(4b)	(5)		(6)	(6)	(7)	(8)
XXX	XXX	Х	XXX	XXX	Х	xxx		XXX	XXX	Χ
XXX	XXX	Х	XXX	XXX	Х	xxx		XXX	XXX	Х
XXX	xxx	Х	XXX	XXX	Х	xxx		XXX	XXX	Х
XXX	XXX	Х	XXX	XXX	Х	xxx		XXX	XXX	Х
XXX	xxx	Х	XXX	XXX	Х	xxx		XXX	XXX	X
XXX	XXX	Х	XXX	XXX	Х	xxx		XXX	XXX	Х
Release Number	Amoun	t of New	/ Substai	nce Releas	sed	СВІ	Media of Release & Contro		СВІ	
(9)	(1	0a)		(10b)		(11)	(12)			(13)
XXX	XX	ΚX		XXX		Х	xxx			Х
	Mark (X) this	s box if th	ne data co	ontinues or	n the ne	xt page.				
(14) Byp									(15) CBI	
	Enter Attach	ment file	name for	Part II, Se	ction B.					



PMN Page 10

SANITIZED SUBMISSION

Part II HUMAN EXPOSURE AND ENVIRO	NMENTAL RELEAS	E – Continue	ed	
Section B INDUSTRIAL SITES CONTROLLED BY OTHERS				
The information on pages 10 and 10a refer to consolidated chemical number	(s):	3	」4 」 5	6
Complete section B for typical processing or use operations involving the new cher complete this section for operations outside the U.S.; however, you must report an <i>Complete a separate section B for each type of processing, or use operation involving</i> more than one site describe the typical operation common to these sites. Identify a	y processing or use activit ving the new chemical sub-	ies after import. stance. If the sar	See the Instructions	Manual.
 1(a). Operation Description To claim information in this section as confidential. (1) Diagram the major unit operation steps and chemical conversions, inc 	dential, bracket (e.g. {}) th	ne specific infor	•	
 pails, 55 gallon drums, rail cars, tank trucks, etc). On the diagram, ide (2) Either in the diagram or in the text field 1(b) below, provide the identity chemical substance basis), and entry point of all feedstocks (including streams, and wastes. Include cleaning chemicals (note frequency if note) (3) Either in the diagram or in the text field 1(b) below, identify by number environment of the new chemical substance. (4) Please enter the # of sites (remember to identify the locations of these 	y, the approximate weight g reactants, solvents and cot used daily or per batch). the points of release, incli	(by kg/day or kg/ atalysts, etc) and uding small or in	batch, on an 100% d all products, recyc	ele
(4) I lease cities the west sites (remember to identify the locations of these	Number of Sites	XXX	Confidential	X
See Attachment 020 (Attachment Number 020 Light Distillate Sites Not Under				
1(b). (Optional) This space is for a text description to clarify the diagram above. XXX			Confidential	X
Esta Made and Element for Battle On 11 Battle On 12 Battl				$\overline{}$
Enter Attachment filename for Part II, Section B on the bottom of page 10a.	Attachment Number 020_L	ight_Distillate_S	ites_Not_Under_S	ubn <u>litte</u> rs_Co



Continuation Sheet

]	ID P10SB1(a)(4)2	Field	Part II, Section B, 1(a)(4). Operation Site Locations
XXX			
^^^			



PMN2014P10AX1

PMN Page 10a

2. Worker Exposure/Environmental Release

- (1) -- From the diagram above, provide the letter for each worker activity. Complete 2-8 for each worker activity described.
- (2) -- Estimate the number of workers exposed for all sites combined.
- (4) -- Estimate the typical duration of exposure per worker in (a) hours per day and (b) days per year.
- (6) -- Describe physical form of exposure and % new chemical substance (if in mixture), and any protective equipment and engineering controls, if any, used to protect workers.
- (7) -- Estimate the percent of the new substance as formulated when packaged or used as a final product.
- (9) -- From the process diagram above, enter the number of each release point. Complete 9-13 for each release point identified.
- (10) -- Estimate the amount of the new substance released (a) directly to the environment or (b) into control technology to the environment (in kg/day or kg/batch).
- (12) -- Describe media of release i.e. stack air, fugitive air (optional-see Instructions Manual), surface water, on-site or off-site land or incineration, POTW, or other (specify) and control technology, if any, that will be used to limit the release of the new substance to the environment.
- (14) -- Identify byproducts which may result from the operation.
 - (3), (5), (8), (11), (13) and (15) -- Mark (X) this column if any of the proceeding entries are confidential business information (CBI).

Letter of Activity	# of Workers Exposed	СВІ		tion of osure	СВІ	Protect	ive Equip./Engineering Controls/Physical Form	% new substance	% in Formulation	СВІ
(1)	(2)	(3)	(4a)	(4b)	(5)		(6)	(6)	(7)	(8)
XXX	XXX	Х	XXX	XXX	Х	xxx		XXX	XXX	Χ
XXX	XXX	Х	XXX	XXX	Х	xxx		XXX	XXX	Х
XXX	xxx	Х	XXX	XXX	Х	xxx		XXX	XXX	Х
XXX	XXX	Х	XXX	XXX	Х	xxx		XXX	XXX	Х
XXX	xxx	Х	XXX	XXX	Х	xxx		XXX	XXX	X
XXX	XXX	Х	XXX	XXX	Х	xxx		XXX	XXX	Х
Release Number	Amoun	t of New	/ Substai	nce Releas	sed	СВІ	Media of Release & Contro		СВІ	
(9)	(1	0a)		(10b)		(11)	(12)			(13)
XXX	XX	ΚX		XXX		Х	xxx			Х
	Mark (X) this	s box if th	ne data co	ontinues or	n the ne	xt page.				
(14) Byp									(15) CBI	
	Enter Attach	ment file	name for	Part II, Se	ction B.					



N2014P10X2 PMN Page 1

Port II HUMAN EXPOSURE AND ENVIRONM		AL DE	LEAG	· -	Contin					
Part II HUMAN EXPOSURE AND ENVIRONM Section B INDUSTRIAL SITES CONTROLLED BY OTHERS	IENI	AL KE	LEAS)E - (Contir	iuec				
		1	2	T	3	П	4	5		6
The information on pages 10 and 10a refer to consolidated chemical number(s): Complete section B for typical processing or use operations involving the new chemical complete this section for operations outside the U.S.; however, you must report any proceeding to the processing of the complete a separate section B for each type of processing, or use operation involving	ocessii	tance at	sites y e activi	ou do ties af	not cont ter impo	rt. Se	mporters e the Ins	do not struction	ns Mai	to nual.
more than one site describe the typical operation common to these sites. Identify addit						form	ation the		laina a	
1(a). Operation Description To claim information in this section as confident confidential.	iai, bra	аскет (е	.g. {}) t	ne sp	ecitic in	TOTTI	ation tha	it you c	iaim a	as
 (1) Diagram the major unit operation steps and chemical conversions, including pails, 55 gallon drums, rail cars, tank trucks, etc). On the diagram, identify (2) Either in the diagram or in the text field 1(b) below, provide the identity, the chemical substance basis), and entry point of all feedstocks (including reastreams, and wastes. Include cleaning chemicals (note frequency if not used) (3) Either in the diagram or in the text field 1(b) below, identify by number the environment of the new chemical substance. (4) Please enter the # of sites (remember to identify the locations of these sites) 	by lette e approactants sed dai points	ter and boximate, solvent ly or per of relea	weight s and o batch) se, inc	escrib (by kg atalys uding	e each of the each	worke kg/ba and a	er activity atch, on a all produc	/. an 100% cts, recy	% new /cle	
	Nur	nber of	Sites	>	ΚXX		Confid	ential		X
1(b). (Optional) This space is for a text description to clarify the diagram above.							Confid	ential		X
xxx									_	
J										
Enter Attachment filename for Part II, Section B on the bottom of page 10a. Attachment	chment	t Numbe	r 021	Middle	Distilla	ite S	ites Not	Under	Subr	nitter

EPA FORM 7710-25 (Rev. 6-09)



Continuation Sheet

ID P10SB1(a)(4)3	Field Part II, Section B, 1(a)(4). Operation Site Locations
xxx	



PMN2014P10AX2

PMN Page 10a

2. Worker Exposure/Environmental Release

- (1) -- From the diagram above, provide the letter for each worker activity. Complete 2-8 for each worker activity described.
- (2) -- Estimate the number of workers exposed for all sites combined.
- (4) -- Estimate the typical duration of exposure per worker in (a) hours per day and (b) days per year.
- (6) -- Describe physical form of exposure and % new chemical substance (if in mixture), and any protective equipment and engineering controls, if any, used to protect workers.
- (7) -- Estimate the percent of the new substance as formulated when packaged or used as a final product.
- (9) -- From the process diagram above, enter the number of each release point. Complete 9-13 for each release point identified.
- (10) -- Estimate the amount of the new substance released (a) directly to the environment or (b) into control technology to the environment (in kg/day or kg/batch).
- (12) -- Describe media of release i.e. stack air, fugitive air (optional-see Instructions Manual), surface water, on-site or off-site land or incineration, POTW, or other (specify) and control technology, if any, that will be used to limit the release of the new substance to the environment.
- (14) -- Identify byproducts which may result from the operation.
 - (3), (5), (8), (11), (13) and (15) -- Mark (X) this column if any of the proceeding entries are confidential business information (CBI).

of Activity	# of Workers Exposed	СВІ	Dura Exp	tion of osure	СВІ	Protecti	ive Equip./Engineering Controls/Physical Form	% new substance	% in Formulation	СВІ			
(1)	(2)	(3)	(4a)	(4b)	(5)		(6)	(6)	(7)	(8)			
xxx	XXX	Х	XXX	XXX	Х	XXX		XXX	XXX	Χ			
XXX	XXX	Х	XXX	XXX	Х	XXX		XXX	XXX	Х			
XXX	XXX	Х	XXX	XXX	Х	XXX		XXX	XXX	Х			
XXX	XXX	Х	XXX	XXX	Х	XXX		XXX	XXX	Х			
XXX	XXX	Х	XXX	XXX	Х	XXX		XXX	XXX	Х			
xxx	XXX	Х	XXX	XXX	Χ	XXX		XXX	XXX	Х			
Release Number	Amount	t of New	Substar	ice Releas	sed	СВІ	CBI Media of Release & Control Technology						
(9)	(10	0a)		(10b)		(11)	(12)			(13)			
XXX	XX	(X		XXX		Х	XXX			Х			
	Mark (X) this	box if the	ne data co	ontinues or	the ne	xt page.							
(14) Byp	(14) Byproducts: (15) CBI												
	Enter Attach	ment file	name for	Part II, Se	ction B.								



Part II HUMAN EXPOSURE AND ENVIRON		– Continue	d	
Section B INDUSTRIAL SITES CONTROLLED BY OTHERS			7. 🗀 -	\Box
The information on pages 10 and 10a refer to consolidated chemical number(s Complete section B for typical processing or use operations involving the new chem			4 5	6
complete this section for operations outside the U.S.; however, you must report any	processing or use activitie	s after import. S	ee the Instructions	Manual.
Complete a separate section B for each type of processing, or use operation involving more than one site describe the typical operation common to these sites. Identify ad-			e operation is per	ormed at
(a). Operation Description To claim information in this section as confide			nation that you cla	aim as
onfidential. (1) Diagram the major unit operation steps and chemical conversions, inclu	uding interim storage and t	ransport contain	iers (specify - e g	5 gallon
pails, 55 gallon drums, rail cars, tank trucks, etc). On the diagram, ident	tify by letter and briefly des	scribe each work	cer activity.	Ū
(2) Either in the diagram or in the text field 1(b) below, provide the identity, chemical substance basis), and entry point of all feedstocks (including r				
streams, and wastes. Include cleaning chemicals (note frequency if not	used daily or per batch).	, ,		
(3) Either in the diagram or in the text field 1(b) below, identify by number the environment of the new chemical substance.	rie points of release, includ	aing smail or inte	ermillent releases,	to the
(4) Please enter the # of sites (remember to identify the locations of these s	sites on a continuation she	eet):		
	Number of Sites	XXX	Confidential	X
ee Attachment 022 (Attachment Number 022_Heavy_Distillate_Sites_Not_Under_	0 1 34 0 1 1 0 1	10		
(b). (Optional) This space is for a text description to clarify the diagram above.			Confidential	X
XXX				
Associated and the second for David Co. 10.				
iter Attachment filename for Part II, Section B on the bottom of page 10a. At	tachment Number 022_He	eavy_Distillate_S	Sites_Not_Under_S	Submitters_

EPA FORM 7710-25 (Rev. 6-09)

SANITIZED SUBMISSION



Continuation Sheet

ID P10SB1(a)(4)4	Field Part II, Section B, 1(a)(4). Operation Site Locations	
xxx		
^^^		



PMN2014P10AX3

PMN Page 10a

2. Worker Exposure/Environmental Release

- (1) -- From the diagram above, provide the letter for each worker activity. Complete 2-8 for each worker activity described.
- (2) -- Estimate the number of workers exposed for all sites combined.
- (4) -- Estimate the typical duration of exposure per worker in (a) hours per day and (b) days per year.
- (6) -- Describe physical form of exposure and % new chemical substance (if in mixture), and any protective equipment and engineering controls, if any, used to protect workers.
- (7) -- Estimate the percent of the new substance as formulated when packaged or used as a final product.
- (9) -- From the process diagram above, enter the number of each release point. Complete 9-13 for each release point identified.
- (10) -- Estimate the amount of the new substance released (a) directly to the environment or (b) into control technology to the environment (in kg/day or kg/batch).
- (12) -- Describe media of release i.e. stack air, fugitive air (optional-see Instructions Manual), surface water, on-site or off-site land or incineration, POTW, or other (specify) and control technology, if any, that will be used to limit the release of the new substance to the environment.
- (14) -- Identify byproducts which may result from the operation.
 - (3), (5), (8), (11), (13) and (15) -- Mark (X) this column if any of the proceeding entries are confidential business information (CBI).

Letter of Activity	# of Workers Exposed	СВІ		tion of osure	СВІ	Protective Equip./Engineering Controls. Form		% new substance	% in Formulation	СВІ
(1)	(2)	(3)	(4a)	(4b)	(5)		(6)	(6)	(7)	(8)
XXX	XXX	Х	XXX	XXX	Х	xxx		XXX	xxx	Χ
XXX	XXX	Х	XXX	XXX	Х	xxx		XXX	xxx	Χ
XXX	xxx	Х	XXX	xxx	Х	XXX		XXX	XXX	Х
XXX	XXX	Х	XXX	xxx	Х	xxx		XXX	XXX	Χ
Release Number	Amoun	nt of New	/ Substa	nce Releas	sed	СВІ	Media of Release & Contro		СВІ	
(9)	(1	0a)		(10b)		(11)	(12)			(13)
XXX	X	XX		XXX		Х	xxx			Х
	Mark (X) this	s box if th	ne data c	ontinues or	n the ne	xt page.				
(14) Byp	roducts:								(15) CBI	
	Enter Attach	nment file	ename for	Part II, Se	ction B					

PMN Page 11

SANITIZED SUBMISSION

OPTIONAL POLLUTION PREVENTION INFORMATION

To claim information in the following section as confidential, bracket (e.g. {}) the specific information that you claim as confidential.

In this section you may provide information not reported elsewhere in this form regarding your efforts to reduce or minimize potential risks associated with activities surrounding manufacturing, processing, use and disposal of the PMN substance. Please include new information pertinent to pollution prevention, including source reduction, recycling activities and safer processes or products available due to the new chemical substance. Source reduction includes the reduction in the amount or toxicity of chemical wastes by technological modification, process and procedure modification, product reformulation, and/or raw materials substitution. Recycling refers to the reclamation of useful chemical components from wastes that would otherwise be treated or released as air emissions or water discharges, or land disposal. Quantitative or qualitative descriptions of pollution prevention, source reduction and recycling should emphasize potential risk reduction in addition to compliance with existing regulatory requirements. The EPA is interested in the information to assess overall net reductions in toxicity or environmental releases and exposures, not the shifting of risks to other media (e.g., air to water) or nonenvironmental areas (e.g., occupational or consumer exposure). To the extent known, information about the technology being replaced will assist EPA in its relative risk determination. In addition, information on the relative cost or performance characteristics of the PMN substance to potential alternatives may be provided.

Describe the expected net benefits, such as

- (1) an overall reduction in risk to human health or the environment:
- (2) a reduction in the generation of waste materials through recycling, source reduction or other means;
- (3) a reduction in the use of hazardous starting materials, reagents, or feedstocks;
- (4) a reduction in potential toxicity, human exposure and/or environmental release; or

(5) the extent to which the new chemical substance may be a substitute for a health or the environment.	an existing substance that poses a greater overall risk to human	
Information provided in this section will be taken into consideration during and Pollution Prevention Guidance manual for guidance and examples.	ng the review of this substance. See PMN Instructions Manual	_
-		
Enter Attachment filename for Pollution Prevention Page 11.		



PMN Page 12

Part III -- LIST OF ATTACHMENTS

Attach continuation sheets for sections of the form, test data and other data (including physical/chemical properties and structure/activity information), and optional information after this page. Clearly identify the attachment and the section of the form to which it relates, if appropriate. Number consecutively the pages of any paper attachments. In the Number of Pages column below, enter the inclusive page numbers of each attachment for paper submissions or enter the total number of pages for each attachment for electronic submissions. Electronic attachments can be identified by filename.

Mark (X) the "Confidential" box next to any attachment name or filename you claim as confidential. Read the Instructions Manual for guidance on how to claim any information in an attachment as confidential. You must include with the sanitized copy of the

notice form a sanitized version of any attachment in which you claim information as confidential.

HOUG	e form a sanitized version of any attachment	in which you claim information a	is comine		
#	Attachment Name	Attachment Filename	Number of Pages	Associated PMN Section Number	СВІ
001	Bulk pyrolysate IES report SV	Attachment Number 001_Bulk_Pyrolysate_IES_Repor	2	Pt.I, Sec.B, 1c.	
002	Light distillate IES report SV	Attachment Number 002_Light_Distillate_IES_Report	5	Pt.I, Sec.B, 1c. (Chem 2)	
003	Middle distillate IES report SV	Attachment Number 003_Middle_Distillate_IES_Repo	1	Pt.I, Sec.B, 1c. (Chem 3)	
004	Heavy distillate IES report SV	Attachment Number 004_Heavy_Distillate_IES_Repor	2	Pt.I, Sec.B, 1c. (Chem 4)	
005	Bulk Pyrolysate SDS	Attachment 005_Bulk_Pyrolysate_SDS.pdf	8		
006	Light distillate SDS	Attachment 006_Light_Distillate_SDS.pdf	8		
007	Middle distillate SDS	Attachment 007_Middle_Distillate_SDS.pdf	8		
800	Heavy distillate SDS	Attachment 008_Heavy_Distillate_SDS.pdf	8		
009	Range of composition bulk pyrolysate SV	Attachment Number 009_Range_Of_Composition_Bu	2	Pt.I, Sec.B, 1e(3).	
010	Range of composition light distillate SV	Attachment Number 010_Range_Of_Composition_Lig	2	Pt.I, Sec.B, 1e(3). (Chem 2)	
011	Range of composition middle distillate SV	Attachment Number 011_Range_Of_Composition_Mi	2	Pt.I, Sec.B, 1e(3). (Chem 3)	
012	Range of composition heavy distillate SV	Attachment Number	2	Pt.I, Sec.B, 1e(3). (Chem 4)	
013	Simulated distillation SV	Attachment Number 013_Simulated_Distillation_SV.p	3		
014	Bulk pyrolysate impurity data SV	Attachment Number 014_Bulk_Pyrolysate_Impurity_D	10	Pt.I, Sec.B, 3.	
015	Light distillate impurity data SV	Attachment Number	14	Pt.I, Sec.B, 3. (Chem 2)	
016	Middle distillate impurity data SV	Attachment Number 016_Middle_Distillate_Impurity_	14	Pt.I, Sec.B, 3. (Chem 3)	
017	Heavy distillate impurity data SV	Attachment Number 017_Heavy_Distillate_Impurity_D	14	Pt.I, Sec.B, 3. (Chem 4)	
018	Process flow diagram sites under submitters control SV	Attachment Number 018_Process_Flow_Diagram_Sit	1	See continuation page. id: <p12018></p12018>	
019	Bulk pyrolysate sites not under submitters	Attachment Number	2	Pt.2, Sec.B, 1a.	
020	Light distillate sites not under submitters control SV	Attachment Number 020_Light_Distillate_Sites_Not_	2	Pt.2, Sec.B, 1a. (#2)	
021	Middle distillate sites not under submitters	Attachment Number	2	Pt.2, Sec.B, 1a. (#3)	
	Mark (X) this box if the data continues on the r	next page.		X	

EPA FORM 7710-25 (Rev. 6-09)



PMN2014P12X1-1

PMN Page 12 (1)

Part III -- LIST OF ATTACHMENTS

Attach continuation sheets for sections of the form, test data and other data (including physical/chemical properties and structure/activity information), and optional information after this page. Clearly identify the attachment and the section of the form to which it relates, if appropriate. Number consecutively the pages of any paper attachments. In the Number of Pages column below, enter the inclusive page numbers of each attachment for paper submissions or enter the total number of pages for each attachment for electronic submissions. Electronic attachments can be identified by filename.

Mark (X) the "Confidential" box next to any attachment name or filename you claim as confidential. Read the Instructions Manual for guidance on how to claim any information in an attachment as confidential. You must include with the sanitized copy of the

notice form a sanitized version of any attachment in which you claim information as confidential.

#	Attachment Name	Attachment Filename	Number of Pages	Associated PMN Section Number	СВІ
022	Heavy distillate sites not under submitters control SV	Attachment Number 022_Heavy_Distillate_Sites_Not_	2	Pt.2, Sec.B, 1a. (#4)	
023	Representative chemical structure bulk pyrolysate SV	Attachment Number 023_Representative_Chemical_	1	Pt.I, Sec.B, 1e.	
024	Representative chemical structure light distillate SV	Attachment Number 024_Representative_Chemical_	1	Pt.I, Sec.B, 1e. (Chem 2)	
025	Representative chemical structure middle distillate SV	Attachment Number 025_Representative_Chemical_	1	Pt.I, Sec.B, 1e. (Chem 3)	
026	Representative chemical structure heavy distillate SV	Attachment Number 026_Representative_Chemical_	1	Pt.I, Sec.B, 1e. (Chem 4)	
	Mark (X) this box if the data continues on the n	ext page.	1		



Continuation Sheet

	Continuation Silect								
ID P12018	Field List of Attachments, Associated PMN Section No., ID: 018								
Pt.2, Sec.A, 1d. Pt.2, Sec.A, 1d. (#2) Pt.2, Sec.	ec.A, 1d. (#3) Pt.2, Sec.A, 1d. (#4)								



	PHYSICAL AND CHEMICAL PROPERTIES WORKSHEET												
The information on this				X	2	3	<u>.</u> 4	5	6				
To assist EPA's review of ph notice. Identify the property property is claimed as confic provided. These measured p formulations should be so no you do so, as it will simplify the supplement to your submiss	nysical and chemical preasured, the value of lential. Give the attactoroperties should be footed (% PMN substanthe review and ensure	oroperties of the prop hment num or the nea nce in). e that con	data, please operty, the units mber (found on the found o	complete the form of the page 12) in compage 12) in compage 12 com	ollowing wor property is m column (b) stance. Prop mit this work by protected	ksheet for daneasured (as The physical perties that a ksheet; howe I. You should	ata you promote necessa state of the remeasure of the rem	rovide and ry), and w he neat su red for mi strongly r	include it hether or ibstance s xtures or ecommer	not the should be			
Property (a)		Unit	Mark X if Provided	Attachment Number (b)		Value (c)		or E	asured Stimate I or E)	CBI Mark (X) (d)			
Physical state of neat sub	ostance				(solid)	(liquid)	(gas)			Х			
Vapor Pressure @ Temperature		°C					Torr						
Density/relative density					XXX		g/cm3	;		X			
Solubility													
@ Temperature		°C					g/L						
Solvent													
Solubility in Water @ Temperature		°C					g/L						
Melting Temperature							°C						
Boiling / Sublimation temperature @	XXX	Torr		XXX	XXX		°C			Х			
Spectra													
Dissociation constant													
Octanol / water partition o	coefficient												
Henry's Law constant													
Volatilization from water													
Volatilization from soil													
pH@ concentration	XXX				XXX					X			
Flammability					XXX					Х			
Explodability													
Adsorption / Coefficient													
Particle Size Distribution													
Other – Specify													



PHYSICAL AND CHEMICAL PROPERTIES WORKSHEET											
The information on this	page refers to ch	emical r	number(s):	<u> </u>	[*] 2	3]4 [5	6		
To assist EPA's review of ph notice. Identify the property r property is claimed as confid provided. These measured p formulations should be so no you do so, as it will simplify t supplement to your submissi	neasured, the value of ential. Give the attack properties should be footed (% PMN substanthe review and ensure	of the prophenent number the near the near the near the	perty, the units mber (found oi at (100% pure) You are not re fidential inform	s in which the p n page 12) in c chemical subs equired to subr nation is proper	oroperty is model column (b). The stance. Properties work the protected	neasured (as The physica perties that a ssheet; how I. You shoul	s necessal I state of the are measu ever, EPA	ry), and w ne neat su red for mi strongly r	hether or ubstance s xtures or ecommer	not the should be	
Property (a)		Unit	Mark X if Provided	Attachment Number (b)		Value (c)		or E	easured Estimate If or E)	CBI Mark (X) (d)	
Physical state of neat sub	estance				(solid)	(liquid)	(gas)			X	
Vapor Pressure @ Temperature		°C					Torr				
Density/relative density					XXX		g/cm3	1		X	
Solubility											
@ Temperature		°C					g/L				
Solvent											
Solubility in Water @ Temperature		°C					g/L				
Melting Temperature							°C				
Boiling / Sublimation temperature @	XXX	Torr		XXX	XXX		°C			Х	
Spectra											
Dissociation constant											
Octanol / water partition o	coefficient										
Henry's Law constant											
Volatilization from water											
Volatilization from soil											
pH@ concentration	XXX				XXX					X	
Flammability					XXX					X	
Explodability											
Adsorption / Coefficient											
Particle Size Distribution											
Other – Specify											



PMN2014P13X2

PHYSICAL AND CHEMICAL PROPERTIES WORKSHEET The information on this page refers to chemical number(s): 1 2 3 4 5 6												
The information on thi	is page refers to ch	emical r	number(s):	1	2	3 _	_4 _	5	6			
To assist EPA's review of protice. Identify the property property is claimed as conformided. These measured formulations should be so you do so, as it will simplify supplement to your submission.	y measured, the value of fidential. Give the attact of properties should be forted (% PMN substarty the review and ensure	of the property of the property of the near the near the	perty, the units mber (found o at (100% pure) You are not re fidential inform	s in which the p n page 12) in c o chemical subs equired to subr nation is proper	property is no column (b). In the stance. Property with this worked to protected the stantage of the stantage	neasured (as The physical perties that a ksheet; howe d. You should	necessa state of t re measu ever, EPA	ry), and he neat : ired for n strongly	whether or substance nixtures or recomme	not the should be		
Proper (a)	ty	Unit	Mark X if Provided	Attachment Number (b)		Value (c)		or	Measured Estimate (M or E)	CBI Mark (X) (d)		
Physical state of neat s	ubstance				(solid)	(liquid)	(gas)			Х		
Vapor Pressure @ Temperature		°C					Torr					
Density/relative density					XXX		g/cm3	3		Х		
Solubility												
@ Temperature	е	°C					g/L					
Solven	t											
Solubility in Water @ Temperature		°C					g/L					
Melting Temperature							°C					
Boiling / Sublimation temperature @	XXX	Torr		XXX	XXX		°C			X		
Spectra												
Dissociation constant												
Octanol / water partition	coefficient											
Henry's Law constant												
Volatilization from water	r											
Volatilization from soil												
pH@ concentration	XXX				XXX					X		
Flammability					XXX					X		
Explodability												
Adsorption / Coefficient												
Particle Size Distribution	n											
Other – Specify												



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				9					
	PHYSIC	AL AND	CHEMICA	L PROPER		RKSHEE	T		
The information on th	nis page refers to ch	emical r	number(s):	1	2	3	4	5 6	
To assist EPA's review of notice. Identify the proper property is claimed as corprovided. These measure formulations should be so you do so, as it will simpli supplement to your subm	ty measured, the value of nfidential. Give the attacted properties should be for noted (% PMN substantify the review and ensure	of the prophenent number the near the near the near the near the near that continue that the near the	perty, the units mber (found o at (100% pure) You are not re fidential inform	s in which the p n page 12) in c o chemical subs equired to subr nation is proper	property is no column (b). In the stance of	neasured (as The physical perties that a ksheet; howe d. You should	s necessary) I state of the are measured ever, EPA st	, and whether of neat substance d for mixtures or rongly recomme	not the should be
Prope (a)		Unit	Mark X if Provided	Attachment Number (b)		Value (c)	Measured or Estimate (M or E)	CBI Mark (X) (d)	
Physical state of neat s	substance				(solid)	(liquid)	(gas)		Х
Vapor Pressure @ Temperature		°C					Torr		
Density/relative density	y						g/cm3		
Solubility									
@ Temperatu	re	°C					g/L		
Solve	ent								
Solubility in Water @ Temperature		°C					g/L		
Melting Temperature							°C		
Boiling / Sublimation temperature @	XXX	Torr		xxx	XXX		°C		Х
Spectra									
Dissociation constant									
Octanol / water partitio	n coefficient								
Henry's Law constant									
Volatilization from wate	er								
Volatilization from soil									
pH@ concentration									
Flammability					XXX				X
Explodability									
Adsorption / Coefficien	ıt								
Particle Size Distributio	on								
Other – Specify									

Attachment Number 001

Attachment Name
Bulk pyrolysate IES report SV

Associated PMN Section Number Pt.I, Sec.B, 1c.

Does not contain CBI

Attachment Number 002

Attachment Name
Light distillate IES report SV

Associated PMN Section Number Pt.I, Sec.B, 1c. (Chem 2)

Does not contain CBI

Attachment Number 003

Attachment Name

Middle distillate IES report SV

Associated PMN Section Number Pt.I, Sec.B, 1c. (Chem 3)

Does not contain CBI

Attachment Number 004

Attachment Name
Heavy distillate IES report SV

Associated PMN Section Number Pt.I, Sec.B, 1c. (Chem 4)

Does not contain CBI

Attachment Number 005

Attachment Name Bulk Pyrolysate SDS

Associated PMN Section Number N/A

Does not contain CBI

Attachment Number 006

Attachment Name
Light distillate SDS

Associated PMN Section Number N/A

Does not contain CBI

Attachment Number 007

Attachment Name
Middle distillate SDS

Associated PMN Section Number N/A

Does not contain CBI

Attachment Number 008

Attachment Name Heavy distillate SDS

Associated PMN Section Number N/A

Does not contain CBI

Attachment Number 009

Attachment Name

Range of composition bulk pyrolysate SV

Associated PMN Section Number Pt.I, Sec.B, 1e(3).

Does not contain CBI

Attachment Number 010

Attachment Name

Range of composition light distillate SV

Associated PMN Section Number

Pt.I, Sec.B, 1e(3). (Chem 2)

Does not contain CBI

Report Number

Attachment Number 011

Attachment Name

Range of composition middle distillate SV

Associated PMN Section Number

Pt.I, Sec.B, 1e(3). (Chem 3)

Does not contain CBI

Report Number

Attachment Number 012

Attachment Name

Range of composition heavy distillate SV

Associated PMN Section Number

Pt.I, Sec.B, 1e(3). (Chem 4)

Does not contain CBI

Report Number

Attachment Number 013

Attachment Name
Simulated distillation SV

Associated PMN Section Number N/A

Does not contain CBI

Attachment Number 014

Attachment Name
Bulk pyrolysate impurity data SV

Associated PMN Section Number Pt.I, Sec.B, 3.

Does not contain CBI

Attachment Number 015

Attachment Name
Light distillate impurity data SV

Associated PMN Section Number Pt.I, Sec.B, 3. (Chem 2)

Does not contain CBI

Attachment Number 016

Attachment Name

Middle distillate impurity data SV

Associated PMN Section Number

Pt.I, Sec.B, 3. (Chem 3)

Does not contain CBI

Report Number

Attachment Number 017

Attachment Name

Heavy distillate impurity data SV

Associated PMN Section Number

Pt.I, Sec.B, 3. (Chem 4)

Does not contain CBI

Report Number

Attachment Number 018

Attachment Name

Process flow diagram sites under submitters control SV

Associated PMN Section Number

Pt.2, Sec.A, 1d. | Pt.2, Sec.A, 1d. (#2) | Pt.2, Sec.A, 1d. (#3) | Pt.2, Sec.A, 1d. (#4)

Does not contain CBI

Attachment Number 019

Attachment Name

Bulk pyrolysate sites not under submitters control SV

Associated PMN Section Number Pt.2, Sec.B, 1a.

Does not contain CBI

Attachment Number 020

Attachment Name

Light distillate sites not under submitters control SV

Associated PMN Section Number

Pt.2, Sec.B, 1a. (#2)

Does not contain CBI

Report Number

Attachment Number 021

Attachment Name

Middle distillate sites not under submitters control SV

Associated PMN Section Number

Pt.2, Sec.B, 1a. (#3)

Does not contain CBI

Report Number

Attachment Number 022

Attachment Name

Heavy distillate sites not under submitters control SV

Associated PMN Section Number

Pt.2, Sec.B, 1a. (#4)

Does not contain CBI

Report Number

Attachment Number 023

Attachment Name

Representative chemical structure bulk pyrolysate SV

Associated PMN Section Number Pt.I, Sec.B, 1e.

Does not contain CBI

Attachment Number 024

Attachment Name

Representative chemical structure light distillate SV

Associated PMN Section Number

Pt.I, Sec.B, 1e. (Chem 2)

Does not contain CBI

Report Number

Attachment Number 025

Attachment Name

Representative chemical structure middle distillate SV

Associated PMN Section Number

Pt.I, Sec.B, 1e. (Chem 3)

Does not contain CBI

Report Number

Attachment Number 026

Attachment Name

Representative chemical structure heavy distillate SV

Associated PMN Section Number

Pt.I, Sec.B, 1e. (Chem 4)

Does not contain CBI

Report Number